



March 21, 2001

State of Utah
Department of Natural Resources
Division of Oil Gas & Mining
1594 West North Temple
P.O. Box 145801
Salt Lake City, UT 84114-5801

ATTENTION: Lisha Cordova


Dear Lisha,

Enclosed are the originals and one copy each for the following APD submittals:

NBU #348 SW/SW Sec. 11, T10S, R22E
NBU #349 SW/SE Sec. 11, T10S, R22E

Please contact me at your earliest convenience so that we can set up an on-site date at (435) 781-7023.

Sincerely,


Cheryl Cameron
Regulatory Analyst

cc: Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RECEIVED

MAR 26 2001

**DIVISION OF
OIL, GAS AND MINING**

Coastal Oil & Gas Corporation

A SUBSIDIARY OF THE COASTAL CORPORATION
1368 S 1200 E • P.O. BOX 1148 • VERNAL UT 84078 • 435/789-4433 • FAX 435/789-4436

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. Type of Work

DRILL ☒DEEPEN ☐

B. Type of Well

OIL ☐GAS ☒OTHER: ☐SINGLE ZONE ☐MULTIPLE ZONE ☐

2. Name of Operator:

Coastal Oil & Gas Corporation

3. Address and Telephone Number:

P.O. Box 1148, Vernal UT 84078

(435) 781-7023

4. Location of Well (Footages)

At surface: 1109' FSL & 2405' FEL

4424247 N
636154 E

At proposed proding zone:

14. Distance in miles and direction from nearest town or post office:

27.8 Miles north of Ouray, UT

15. Distance to nearest property or lease line (feet):

1109'

16. Number of acres in lease:

1674.49

17. Number of acres assigned to this well:

N/A

18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):

Refer to Topo C

19. Proposed Depth:

6500'

20. Rotary or cable tools:

Rotary

21. Elevations (show whether DR, RT, GR, etc.):

5166.2' Ungraged GL

22. Approximate date work will start:

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" K-55	24#	250'	90 Sx Class G + 2% CaCl2
7 7/8"	4 1/2" K-55	11.6#	6500'	390 Sx HiFil Mod (Lead)
				800 Sx 50/50 POZ (Tail)

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. Coastal Oil & Gas Corporation agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by Coastal Oil & Gas Corporation Bond #102103.

This location is not within 460 feet from the boundary of the Natural Buttes Unit, nor is it within 460 feet of any non-committed tract lying within the boundaries of the unit.

24.

Cheryl Cameron

Name & Signature

Title:

Senior Regulatory Analyst

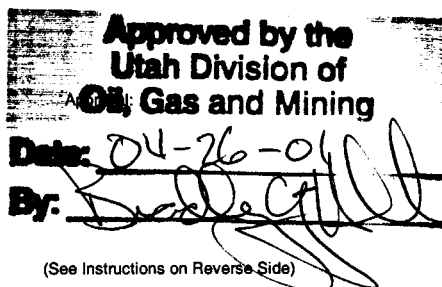
Date:

2/22/01

(This space for State use only)

API Number Assigned:

43-047-34002



(See Instructions on Reverse Side)

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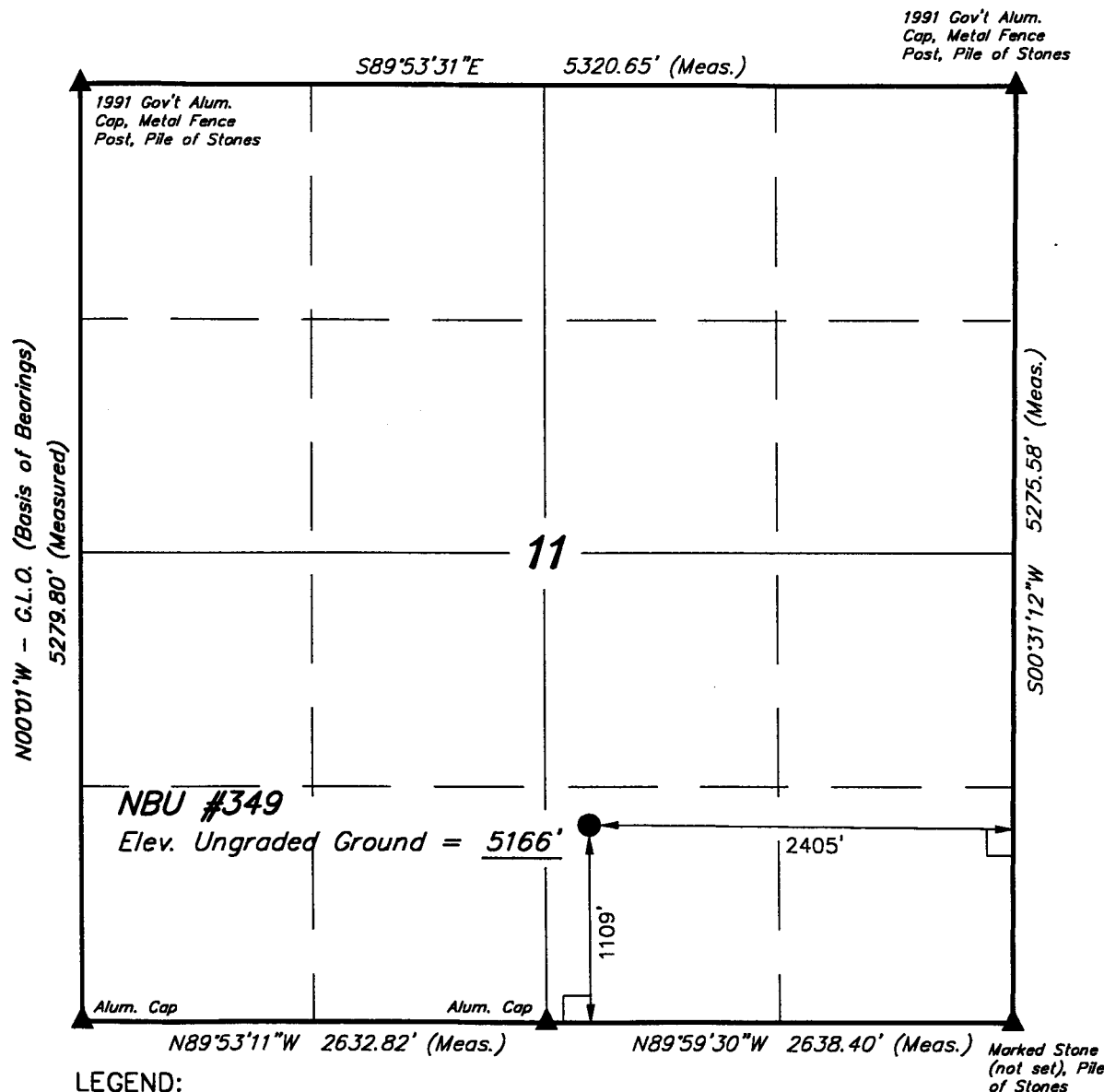
MAR 26 2001

DIVISION OF
OIL, GAS AND MINING

T10S, R22E, S.L.B.&M.

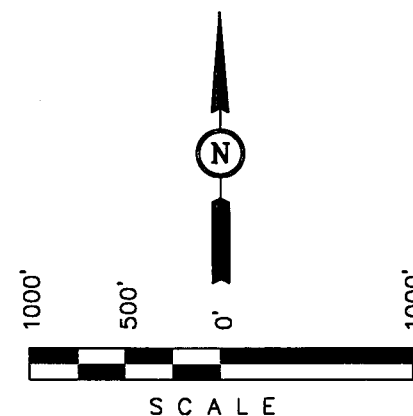
COASTAL OIL & GAS CORP.

Well location, NBU #349, located as shown in the SW 1/4 SE 1/4 of Section 11, T10S, R22E, S.L.B.&M., Uintah County, Utah.



BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R22E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. [Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-13-98	DATE DRAWN: 10-23-98
PARTY D.A. C.G. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE COASTAL OIL & GAS CORP.	

COMPANY NAME	Coastal Oil & Gas Corporation	DATE	March 20, 2001
WELL NAME	NBU #349	TD	6,500' MD/TVD
FIELD	NBU	COUNTY	Uintah
		STATE	Utah
		ELEVATION	5,175' KB
SURFACE LOCATION	1109' FSL & 2405' FEL, Sec. 11, T10S, R22E	BHL	Straight Hole
OBJECTIVE ZONE(S)	Wasatch		
ADDITIONAL INFO			

[illegible]

COASTAL OIL & GAS CORPORATION

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2950	1370	263000
SURFACE	8-5/8"	0-250'	24.00	K-55	STC	21.03	11.71	4.70
						5350	4960	180000
PRODUCTION*	4-1/2"	0-TD	11.60	K-55	LTC	2.33	1.47	1.44

- 1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)
- 2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (Gas Gradient x TVD of Next Casing Point x 0.67) - (Mud Weight x TVD x 0.052 x 0.33)
- 3) MASP (Prod Casing) = Pore Pressure - (Gas Gradient x TVD of Production Interval)
- (Burst Assumptions: FG @ 8-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing, 50,000 lbs overpull)

CEMENT PROGRAM

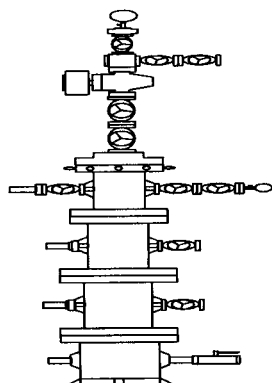
		FT. OF FILL	DESCRIPTION	SACKS	EXCESS*	WEIGHT	YIELD
SURFACE		250	Class G + 2% CaCl ₂ + 0.25 lb/sk Cello Flake	90	35%	15.80	1.17
PRODUCTION	LEAD	3,610'	Hifill Mod. +16% gel + 3% salt + 10#/sk gilsonite + 1% HR7 + 0.6% Econolite + 0.2% FWCA + 0.25 lb/sk Flocele	390	50%	11.60	3.12
	TAIL	2,890'	50/50 POZ + 2% gel + 2% Microbond + 5% salt + 0.2% Super CBL + 0.6% HALAD 322 + 0.25 #/sk Flocele	800	50%	14.35	1.25

* or 15% over caliper log

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt. float collar. Centralize first 3 joints & every other joint to surface with bow spring centralizers. Thread lock FE up to & including pin end of FC.
PRODUCTION	Guide shoe, 1 jt. float collar. Centralize first 3 joints & every other joint to top of tail cement with bow spring centralizers.

WELL HEAD EQUIPMENT



TREE	2-1/16" 5M
TUBING HEAD	11" 3M X 7-1/16" 5M
CASING SPOOL	
CASING SPOOL	
CASING HEAD	8-5/8" SOW X 11" 3M

COASTAL OIL & GAS CORPORATION

DRILLING PROGRAM

BIT PROGRAM

ROCK BIT & PDC BIT PROGRAM						
INTERVAL	HOLE	BIT MFG & MODEL	GPM	SERIAL	NZLS	COMMENTS
Surface Hole	12-1/4"	Various				
Surf Csg - TD	7-7/8"	SEC XS44	Air/Mist	New	16-16-16	
			Aerated			

If the air is discontinued, use a SEC 2665rv or a HTC DP363 on a mud motor to TD

If a second bit is required and the air is needed use another XS44.

GEOLOGICAL DATA**LOGGING:**

Depth	Log Type
SC - TD	Platform Express

MUD LOGGER:

SC - TD

SAMPLES:

As per Geology

CORING:

NA

DST:

NA

MUD PROGRAM

DEPTH	TYPE	MUD WT	WATER		TREATMENT
			LOSS	VISCOSITY	
0-Trona (0 - +/-2,000')	Air/Mist	NA	NA		Polymer, Gel Gyp, Lime
Trona-TD (+/- 2,000' - TD)	Aerated Water	NA	NC	NA	Polymer, Gyp, Lime

After reaching TD, circulate hole until clean, then make a wiper trip. Report any bridges or fill encountered on trip.

After a successful wiper trip, chain out of the hole to log.

REPORT ALL LOSSES, INCLUDING SEEPAGE

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Run Totco survey every 500' from surface casing shoe to TD. Maximum allowable hole angle is 5 degrees.

Treat for corrosion as per plan.

DRILLING ENGINEER:

Christa Yin

DATE:**DRILLING MANAGER:**

Darrell Molnar

DATE:**DRILLING DIRECTOR:**

Steve Hayes

DATE:

NOV 9 1998

BLC____RAD____SCP____CEL____
SAB____JRN____MDE____LPS____**COASTAL OIL & GAS CORP.****NBU #349****SECTION 11, T10S, R22E, S.L.B.&M.***XC: Only
PCB
RSL
DHS*

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 11.5 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN SOUTHEASTERLY DIRECTION APPROXIMATELY 12.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.4 MILES THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST FOLLOW ROAD FLAGS IN A NORTHEASTERLY THEN NORTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE TO VERNAL IS APPROXIMATELY 59.3 MILES.

**NBU #349
SW/SE Sec. 11, T10S-R22E
Uintah County, UT
U-01197-A-ST**

**ONSHORE ORDER NO. 1
COASTAL OIL & GAS CORPORATION**

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
KB	5175'
Green River	1135'
Wasatch	4110'
Total Depth	6000'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1135'
Gas	Wasatch	4110'
Water	N/A	
Other Minerals	N/A	
Total Depth		6000'

3. Pressure Control Equipment (Schematic Attached)

The BOP stack will consist of one 11" 3,000 psi annular BOP, one 11" 3,000 psi double ram, and one 11' drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.

The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.

The hydrill will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 5,000 psi.

4. Proposed Casing & Cementing Program:

Refer to the attached Cement & Casing Program.

5. Drilling Fluids Program:

Refer to the attached Mud Program.

6. **Evaluation Program:** (Logging)

Refer to the attached Logging Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated @ 6000' TD approximately equals 2,400 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1,080 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

**NBU #349
SW/SE Sec. 11, T10S-R22E
Uintah County, UT
U-01197-A-ST**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, ***unless modified at the on-site inspection.*** Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Desert Brown, Munsell standard color number 10 YR 6/3.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

The proposed pipeline will leave the wellpad in a southeasterly, then northeasterly direction for an approximate distance of 10,000'. Refer to Topo D.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. *The need for a reserve pit liner will be determined at the on-site inspection.*

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will

be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159 Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S R20E, MC&MC, Sec. 12, T6S, R19E.

8. Ancillary Facilities:

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). *This section is subject to modification as a result of the on-site inspection.*

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

If it is determined that a pit liner will be used at the on-site inspection, the reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

State of Utah
SITLA
675 East 500 South
Salt Lake City, UT 84102-2818

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been conducted. A copy of this report is attached.

13. Lessee's or Operators's Representative & Certification:

Cheryl Cameron
Senior Regulatory Analyst
Coastal Oil & Gas Corporation
P.O. Box 1148
Vernal, UT 84078
(435) 781-7023

Darrell Molnar
Drilling Manager
Coastal Oil & Gas Corporation
9 Greenway Plaza, Suite 2770
Houston, TX 77046
(713) 418-4295


Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. Coastal Oil & Gas Corporation agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

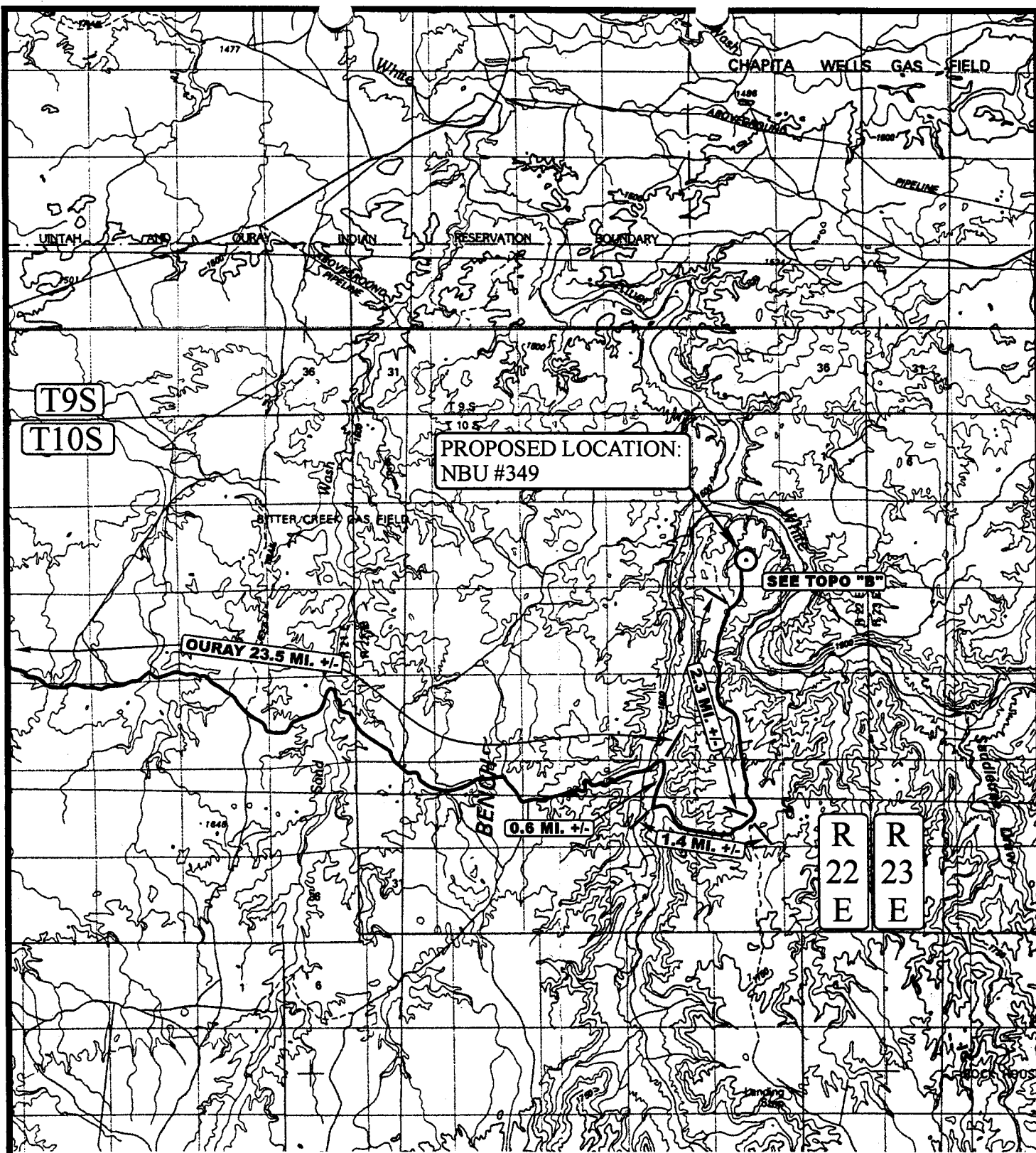
Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation Bond #102103.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Cheryl Cameron

2/22/01

Date



LEGEND:

○ PROPOSED LOCATION

COASTAL OIL & GAS CORP.

NBU #349

SECTION 11, T10S, R22E, S.L.B.&M.

1109' FSL 2405' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



**TOPOGRAPHIC
MAP**

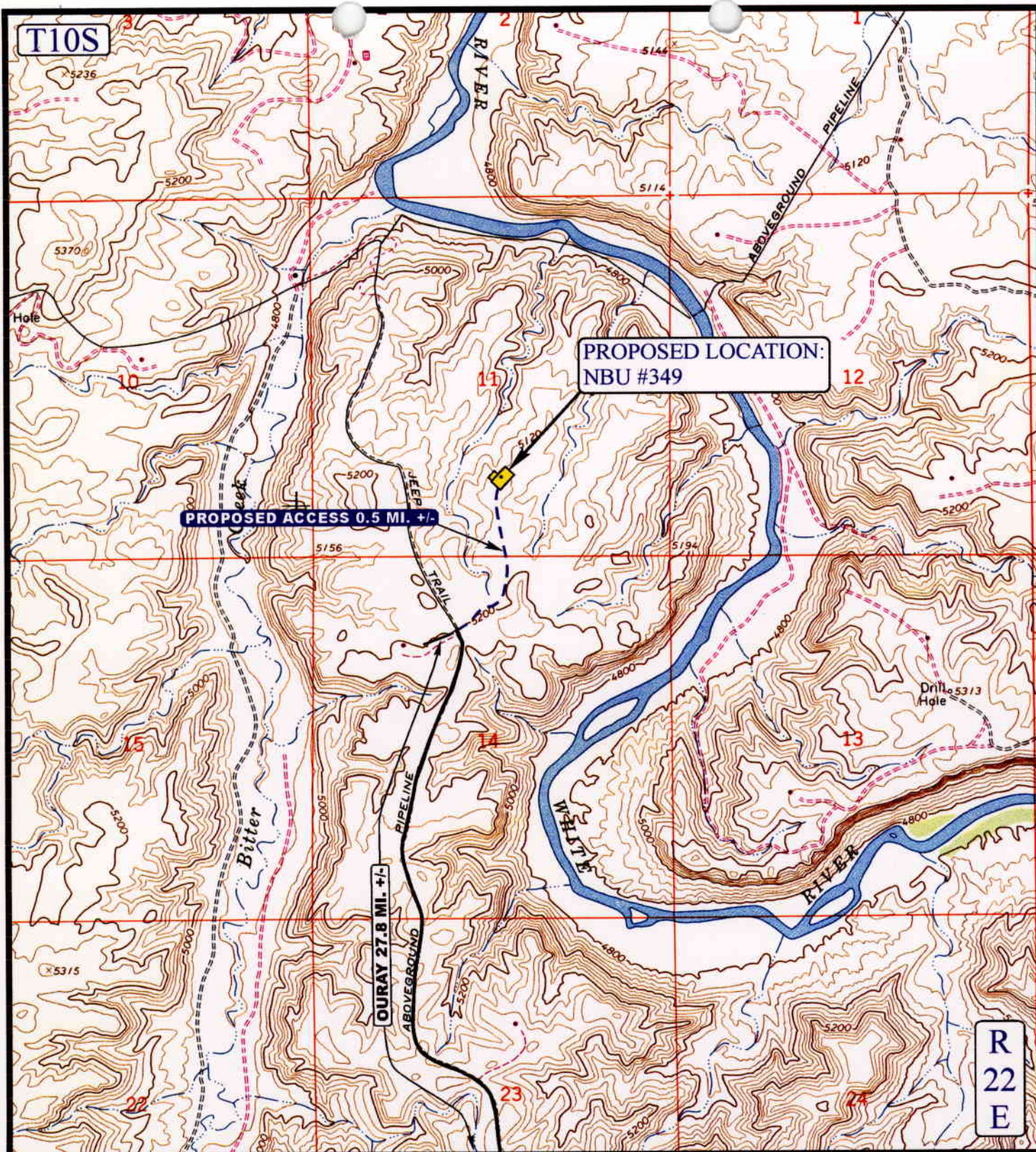
10 19 98
MONTH DAY YEAR

SCALE: 1: 100,000

DRAWN BY: C.G.

REVISED: 00-00-00

A
TOPO



LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD

COASTAL OIL & GAS CORP.

NBU #349

SECTION 11, T10S, R22E, S.L.B.&M.

1109' FSL 2405' FEL



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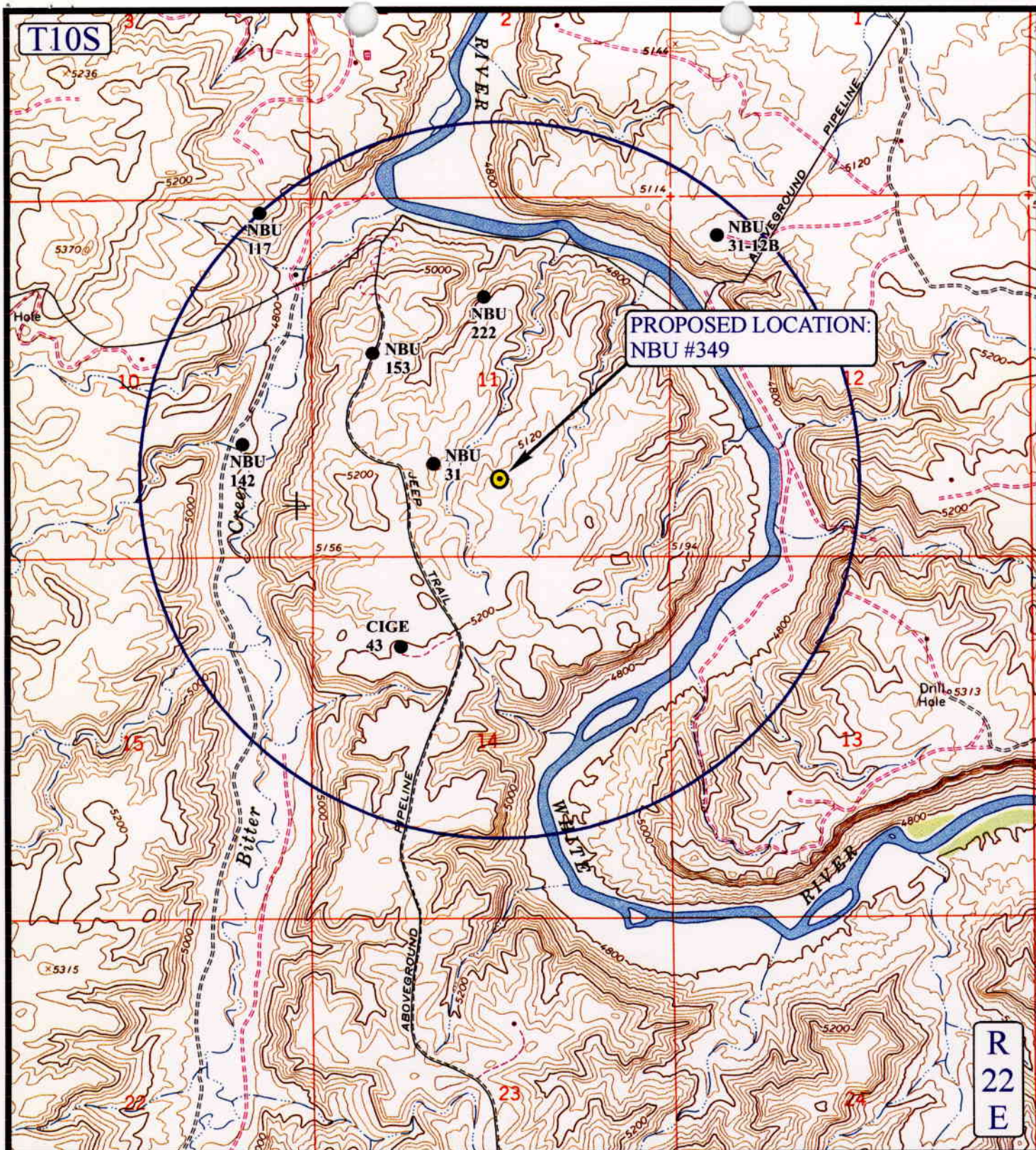


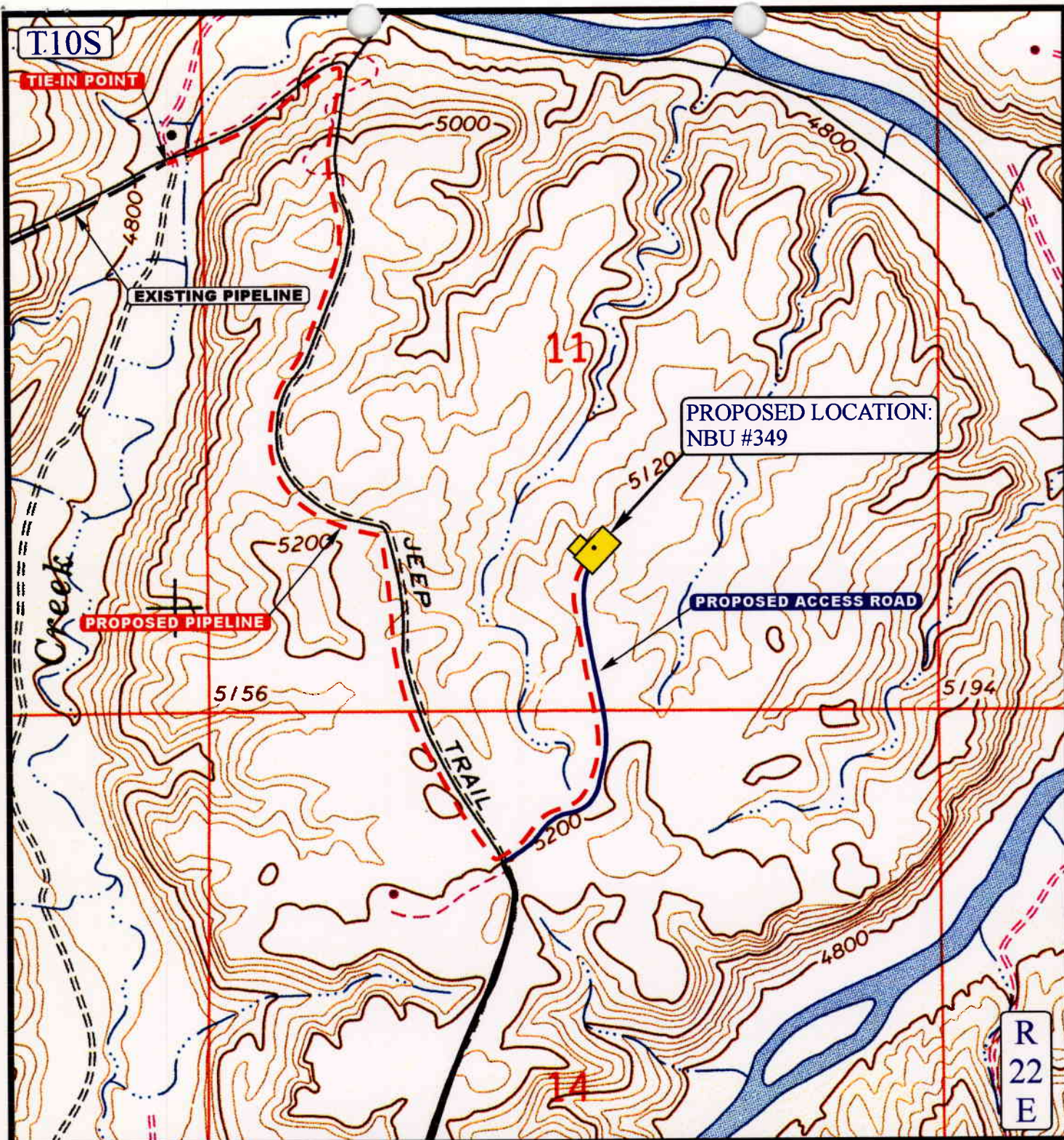
TOPOGRAPHIC
MAP

10 19 98
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00

B
TOPO





APPROXIMATE TOTAL PIPELINE DISTANCE = 10,000' +/-

LEGEND:

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

COASTAL OIL & GAS CORP.

NBU #349

SECTION 11, T10S, R22E, S.L.B.&M.

1109' FSL 2405' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

10 19 98
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 00-00-00



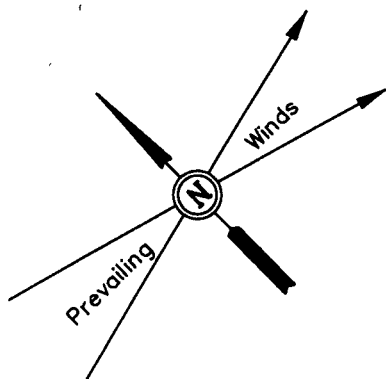
COASTAL OIL & GAS CORP.

LOCATION LAYOUT FOR

NBU #349

SECTION 11, T10S, R22E, S.L.B.&M.

1109' FSL 2405' FEL

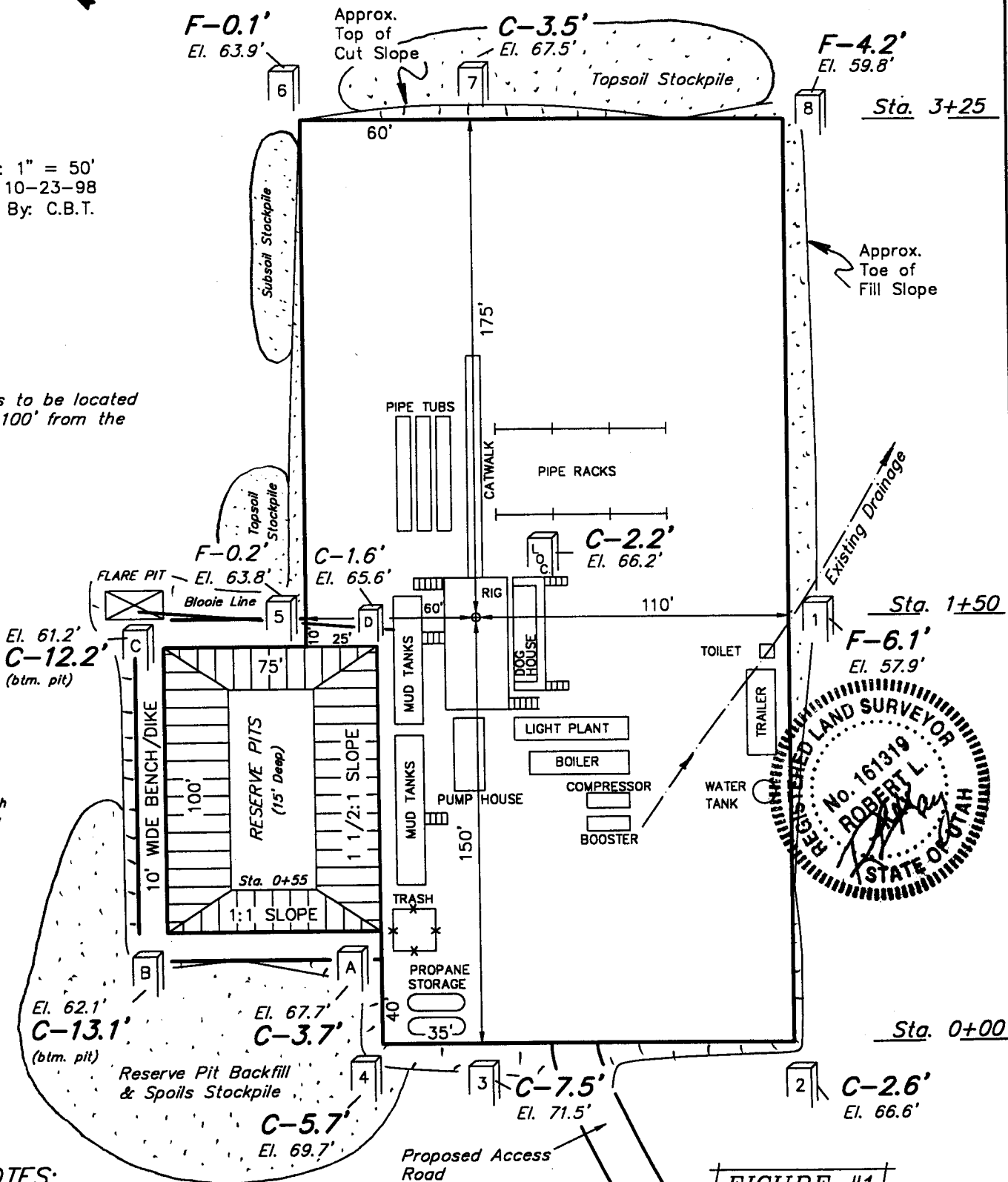


SCALE: 1" = 50'
DATE: 10-23-98
Drawn By: C.B.T.

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.

Pit Capacity With
2' of Freeboard
is ±9,710 Bbls.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5166.2'

FINISHED GRADE ELEV. AT LOC. STAKE = 5164.0'

FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING
85 South 200 East Vernal, Utah

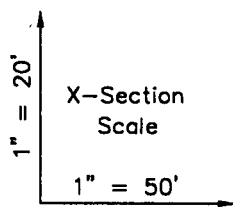
COASTAL OIL & GAS CORP.

TYPICAL CROSS SECTIONS FOR

NBU #349

SECTION 11, T10S, R22E, S.L.B.&M.

1109' FSL 2405' FEL



DATE: 10-23-98

Drawn By: C.B.T.

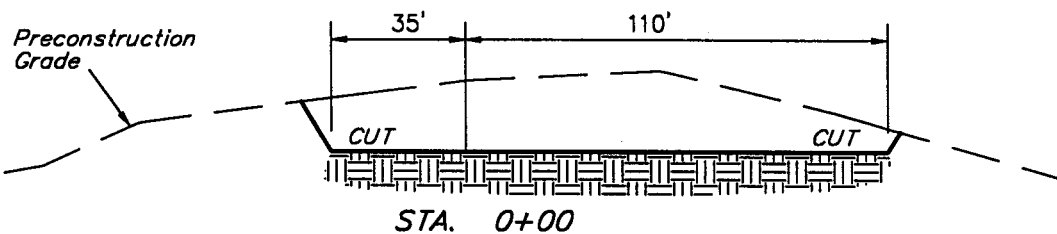
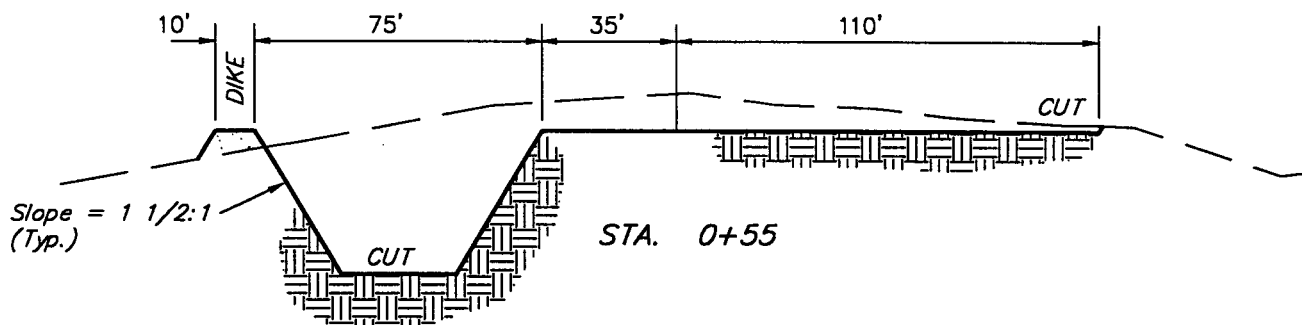
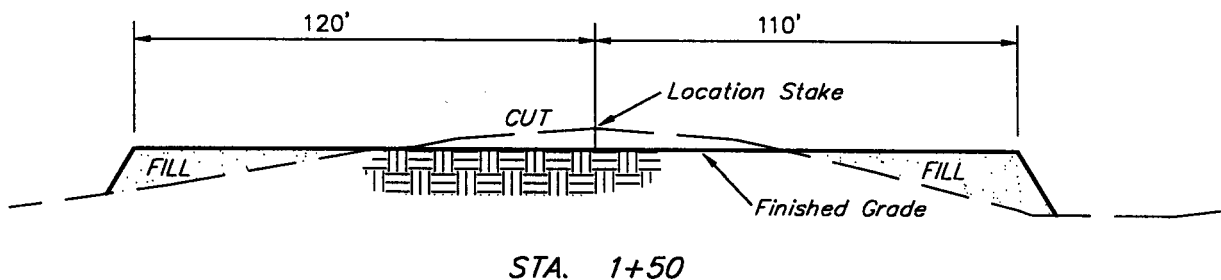
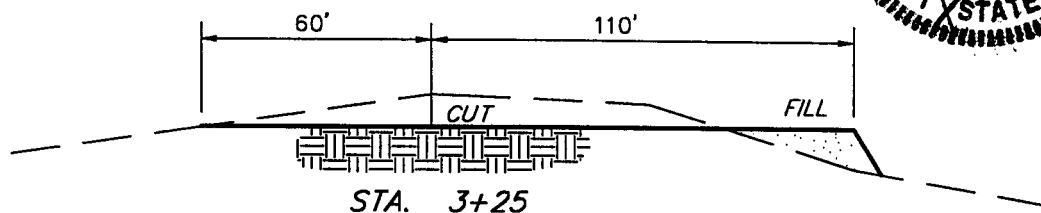
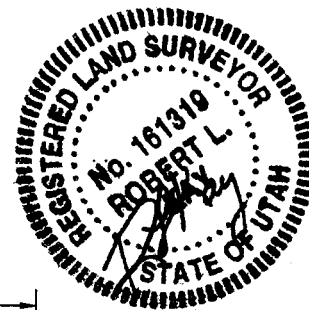


FIGURE #2

APPROXIMATE YARDAGES

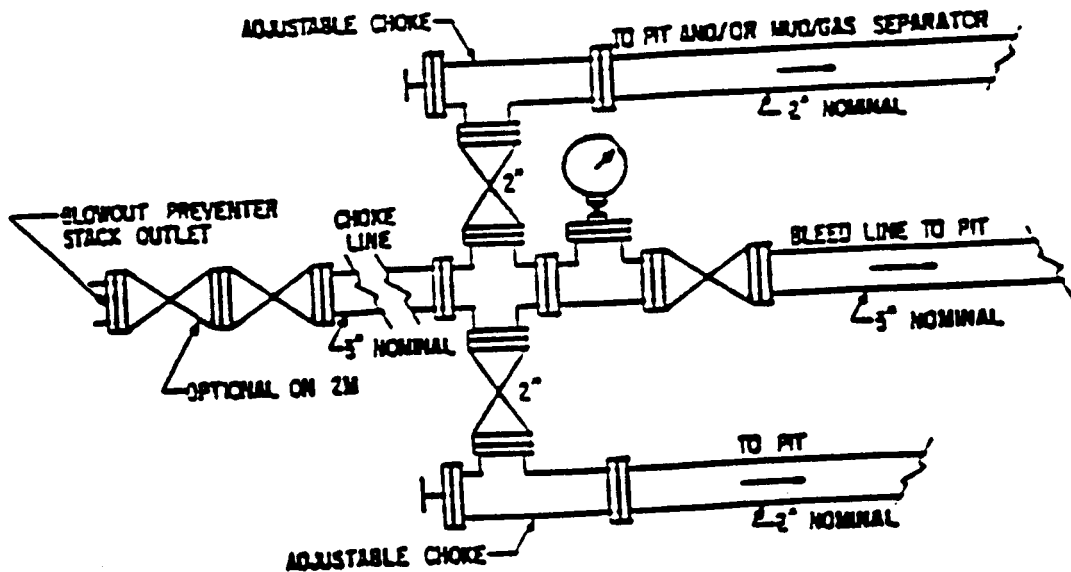
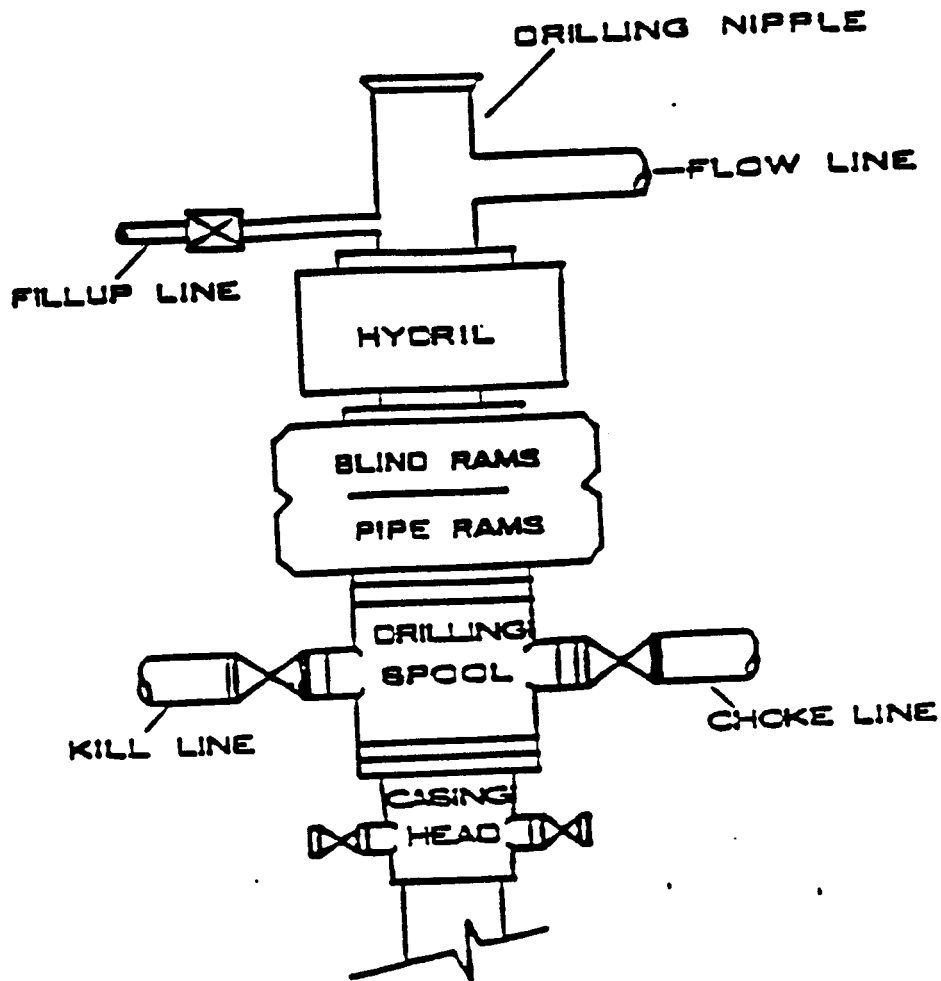
CUT	
(6") Topsoil Stripping	= 1,090 Cu. Yds.
Remaining Location	= 4,710 Cu. Yds.
TOTAL CUT	= 5,800 CU.YDS.
FILL	= 2,560 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 3,110 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,110 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 South 200 East Vernal, Utah

3,000 PSI

EOP STACK





**MONTGOMERY
ARCHAEOLOGICAL
CONSULTANTS**

Box 147, 322 East 100 South, Moab, Utah 84532 (435) 259-5764 FAX (435) 259-5608 LPS

DENVER DISTRICT - E & S

OCT 27 1998

BLC RAD SCP CEL

XC: Drlg
RJC

October 24, 1998

Ms. Bonnie Carson
Coastal Oil & Gas Corporation
Box 749
Denver, CO 80201-0749

Dear Ms. Carson:

Enclosed please find the report entitled "Cultural Resource Inventory of Coastal Oil & Gas Corporation's CIGE 246, NBU 333, NBU 347, NBU 349 and NBU 350 Well Locations and Associated Pipelines, Uintah County, Utah." The inventory resulted in no cultural resources. Based on the findings, a determination of "no effect" is recommended pursuant to Section 106, CFR 800 for this undertaking.

Copies of the report has been sent to the appropriate state and federal agencies for review. If you have any questions or comments, please feel free to call me.

Sincerely,

Keith R. Montgomery
Principal Investigator

cc: James Dykmann, Compliance Archaeologist, Utah SHPO
Blaine Philips, BLM Archaeologist, Vernal District

**CULTURAL RESOURCE INVENTORIES OF COASTAL OIL AND
GAS CORPORATIONS CIGE 246, NBU 333, NBU 347, NBU 349
AND NBU 350 WELL LOCATIONS, ACCESS ROADS,
AND ACCESS ROADS IN UINTAH COUNTY, UTAH**

by

Keith R. Montgomery

Prepared For:

**State of Utah
and
Bureau of Land Management
Vernal District**

Prepared Under Contract With:

**Coastal Oil & Gas Corporation
P.O. Box 749
Denver, Colorado 80201**

Prepared By:

**Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532**

October 23, 1998

**United States Department of Interior (FLPMA)
Permit No. 98-UT-60122**

**State of Utah Antiquities Project (Survey)
Permit No. U-98-MQ-0631b,s**

INTRODUCTION

In October, 1998, cultural resource inventories were conducted by Montgomery Archaeological Consultants for Coastal Oil & Gas Corporation's proposed well locations CIGE 246, NBU 333, NBU 347, NBU 349 and NBU 350. The project area is located in the Sand Wash area about 11 miles southeast of Ouray, Uintah County, Utah. The survey was implemented at the request of Bonnie Carson, Coastal Oil & Gas Corporation, Denver, Colorado. The project area occurs on State of Utah land and Bureau of Land Management (BLM) administered lands, Book Cliffs Resource Area, Vernal District.

The objective of the inventories were to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventories were implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and Utah State Antiquities Act of 1973 (amended 1990).

The archaeological fieldwork was performed by Keith R. Montgomery, Principal Investigator for Montgomery Archaeological Consultants on October 17 and 21, 1998, under the auspices of U.S.D.I. (FLPMA) Permit No. 98-UT-60122 and State of Utah Antiquities Permit (Survey) No. U-98-MQ-0631b,s.

A file search for previous archaeological inventories and documented cultural resources was conducted on August 6, 1998, by the author at the Division of State History, State Historical Preservation Office, Salt Lake City. A second file search was completed by the author at the BLM Vernal District on September 10, 1998. These consultations indicated that numerous inventories have been completed in the area. In the vicinity of proposed Well Location No. NBU 347 an inventory was completed in 1991 by Metcalf Archaeological Consultants for Coastal Oil and Gas well locations (Lubinski and Scott 1991). At proposed Well Location No. NBU-349 two surveys have been conducted. In 1981, Brigham Young University surveyed the Sand Wash Shale Oil Plant (Nielson 1981). In 1986, Metcalf Archaeological Consultants inventoried Coastal Oil & Gas Corporations NBU-82 well location and access road (Metcalf 1986). No previously documented archaeological sites occur in the project areas.

In addition, a records search for paleontological localities was conducted by Martha Hayden, Utah Geological Survey (August 28, 1998). No previously recorded sites occur in the project areas, although vertebrates and plant fossils are known in the Uintah and Duchesne formations.

DESCRIPTION OF PROJECT AREA

The project area is situated on the north end of East Bench and Archy Bench, along both sides of Sand Wash, Uintah County, Utah. It lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). Specifically, the inventory area is situated in an area of broad erosional benches, buttes, and ridges dissected by drainages. The geology consists of the Early Tertiary age Uintah formation composed of thin-bedded flood plain deposits which overlays the Duchesne formations characterized by river-deposited conglomerate, sandstone, and fine-grained rocks. The nearest permanent water source is the White River located along the east side of the project area. Major intermittent drainages in the area include Sand Wash and Cottonwood Wash. The elevation of the project area ranges from 4880 to 5360 feet a.s.l. Vegetation cover is an Upper Sonoran desert shrub community which includes shadscale, sagebrush, greasewood, snakeweed, prickly pear cactus, Russian thistle, and blue gamma. Modern disturbances to the landscape includes roads, well locations, and pipelines mainly associated with oil/gas exploration.

The inventory area consists of five proposed well locations with access and/or pipeline corridors (Figures 1 and 2) The legal descriptions are T 10S, R 21E, S. 2 (State), 13 (State), and 14 (BLM); and T 10S, R 22E. S. 11 (State) and 14 (State).

Table 1. Coastal Oil & Gas Corporations Well Location Descriptions

Well Number	Legal Location	Location at Surface	Access Road	Cultural Resources
CIGE 246-2-10-21	T10S R21E S.2 NE/NW	474' FNL 2055' FWL	Access 500' Pipeline 500'	None
NBU 333	T10S R21E S.13 SW/SW	944' FSL 449' FWL	Access 1000' (BLM), 150' (State) Pipeline 1100' (BLM)	None
NBU 347	T10S R22E S.11 NW/SW	1697' FSL 411' FWL	Pipeline 4200'	None
NBU 349	T10S R22E S.11 SW/SE	1109' FSL 2405' FEL	Access 1200'	None
NBU 350	T10S R22E S.14 NW/NE	373' FNL 1845 FEL	Access 1800' Pipeline 3200'	None

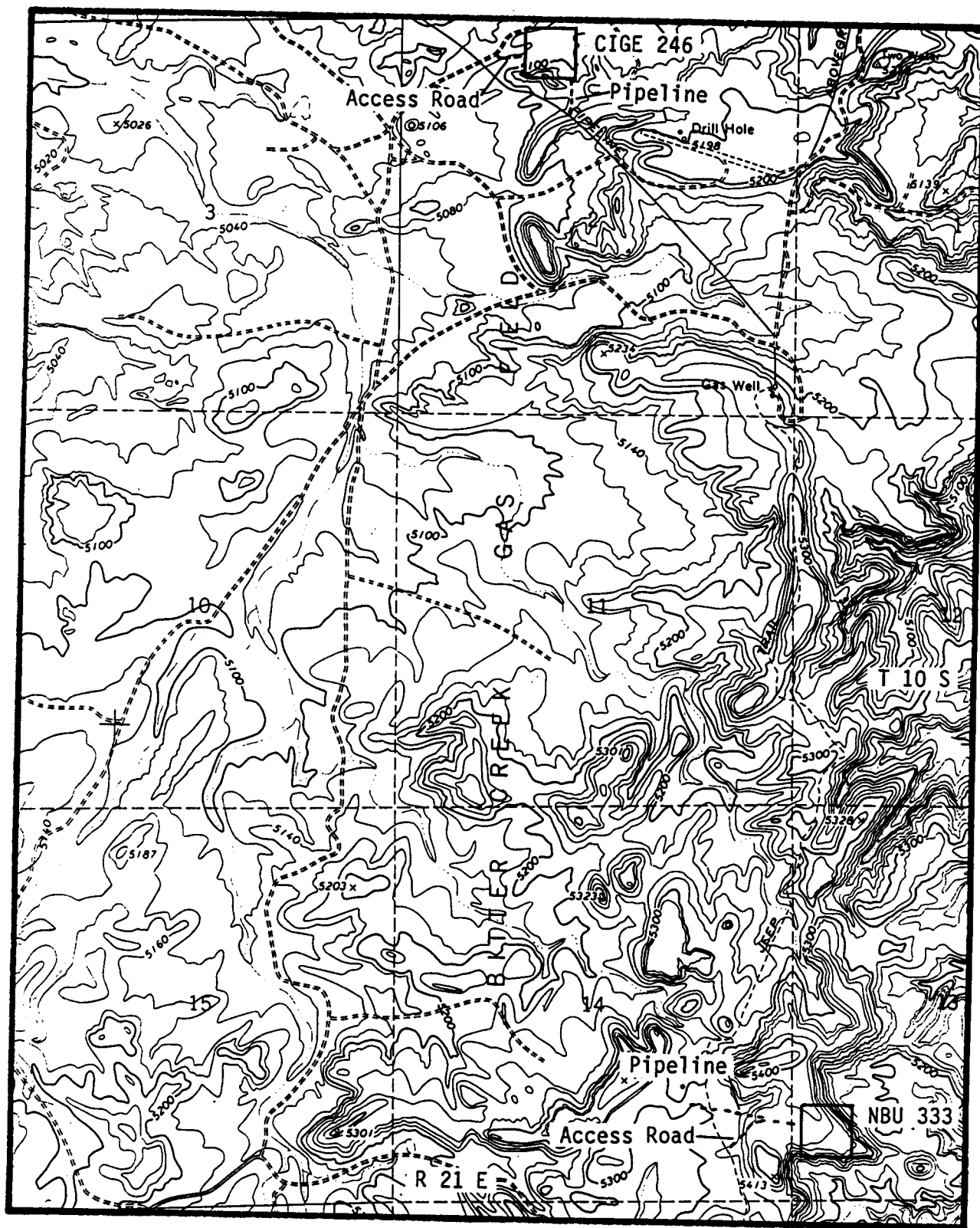


Figure 1. Inventory Area of Coastal Oil and Gas Corporation's Proposed Well Locations CIGE 246, and NBU 333 with Access Roads and Pipelines, Uintah County, UT USGS 7.5' Big Pack Mountain, NE , UT 1968. Scale 1:24000.

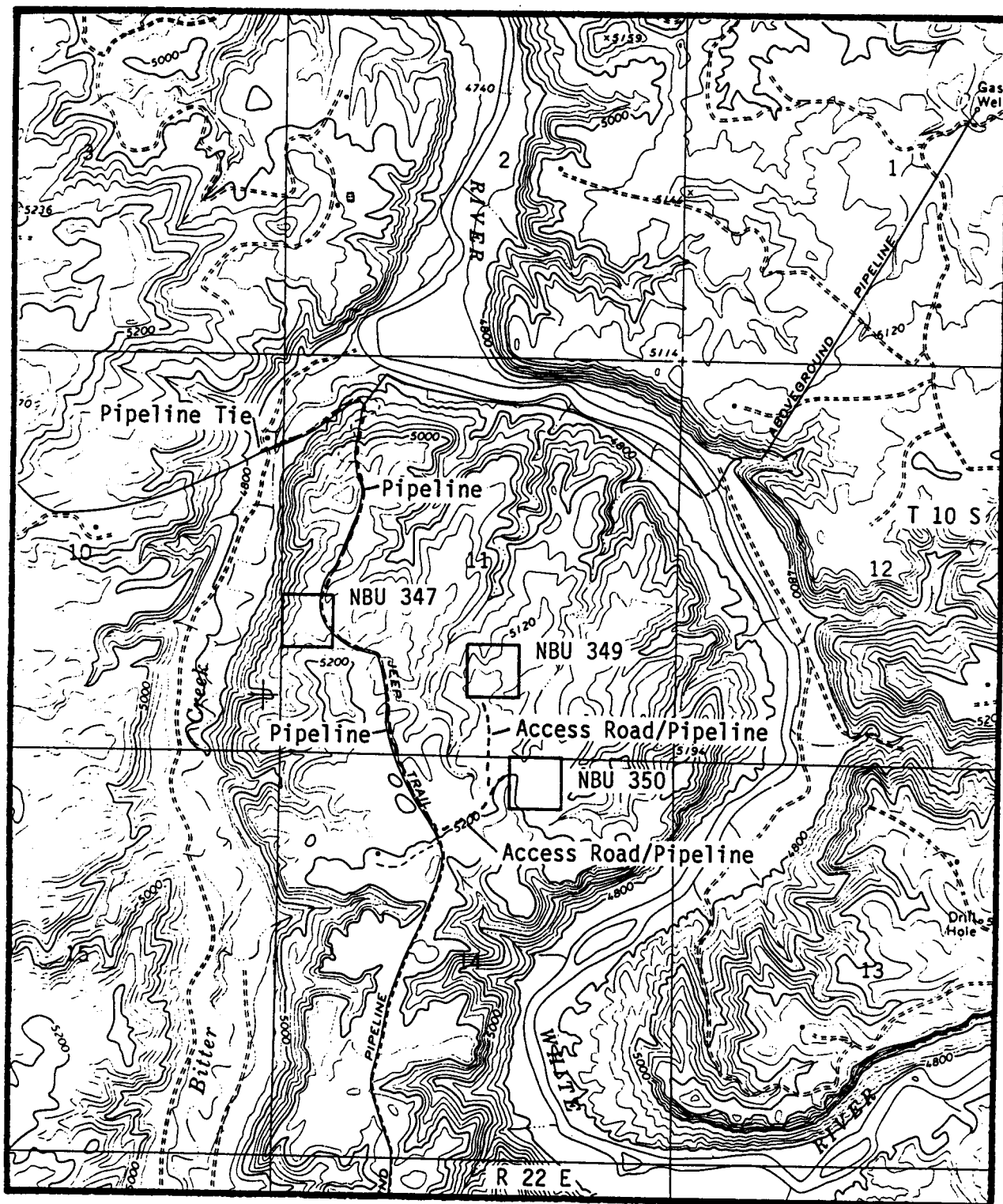


Figure 2. Inventory Area of Coastal Oil and Gas Corporation's Proposed Well Locations NBU 347, 349 and 350 with Access Roads and Pipelines, Uintah County, UT USGS 7.5' Archy Bench, UT 1968. Scale 1:24000.

SURVEY METHODOLOGY

An intensive pedestrian survey was performed by the author for this project which is considered 100% coverage. At each of the five proposed well locations, a 10 acre square was defined, centered on the well pad center stake. The interiors of the well locations were examined for cultural resources by the archaeologist walking parallel transects spaced no more than 10 meters apart. The access roads and pipeline corridors were surveyed to a 150 foot width by the archaeologist walking parallel transects along the staked centerline, spaced no more than 10 meters apart. Ground visibility was considered good. A total of 96.9 acres was surveyed for this project consisting of 89.7 acres on State of Utah land and 7.2 acres on BLM administered land.

RESULTS AND RECOMMENDATIONS

The inventory of Coastal Oil & Gas Corporation's proposed five well locations, access roads, and pipeline corridors resulted in no cultural resources.

Based on these findings, a determination of "no effect" is recommended for this project pursuant to Section 106, CFR 800.

REFERENCES CITED

Lubinski, Patrick M. and John M. Scott

- 1991 Cultural Resource Inventory of 18 Proposed Coastal Oil and Gas Corporations Well Locations and Access Roads on State of Utah Lands, Uintah County, Utah. Metcalf Archaeological Consultants. Report No. 91-MM-44.

Metcalf, Michael

- 1986 Cultural Resource Inventory of the Coastal Oil and Gas Corporation NBU-82 Well Pad and Access Road, Uintah County, Utah. Metcalf Archaeological Consultants. Report No. 86-MM-704.

Nielson, Asa

- 1981 Cultural Resource Inventory of Tosco Corporation's Sand Wash Shale Oil Plant, Uintah County, Utah. Brigham Young University, Cultural Resource Management Service, Provo. Report No. 81-BC-721.

Stokes, William L.

- 1986 Geology of Utah. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/26/2001

API NO. ASSIGNED: 43-047-34002

WELL NAME: NBU 349

OPERATOR: COASTAL OIL & GAS CORP (N0230)

CONTACT: CHERYL CAMERON

PHONE NUMBER: 435-781-7023

PROPOSED LOCATION:

SWSE 11 100S 220E

SURFACE: 1109 FSL 2405 FEL

BOTTOM: 1109 FSL 2405 FEL

UINTAH

NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

2am

4/13/01

Geology

Surface

LEASE TYPE: 3-State

LEASE NUMBER: U-01197-A-ST

SURFACE OWNER: 3-State

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 102103)
☒ Potash (Y/N)
☒ Oil Shale (Y/N) *190-5 (B) or 190-3
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)

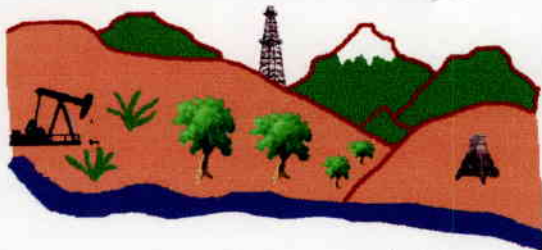
LOCATION AND SITING:

☐ R649-2-3. Unit NATURAL BUTTES
☐ R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
☐ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-99
Siting: 460' Fr Unit Boundary & Uncomm. Tract
☐ R649-3-11. Directional Drill

COMMENTS: Need Presite. (4-10-01)

STIPULATIONS:

① STATE
② OIL SHALE



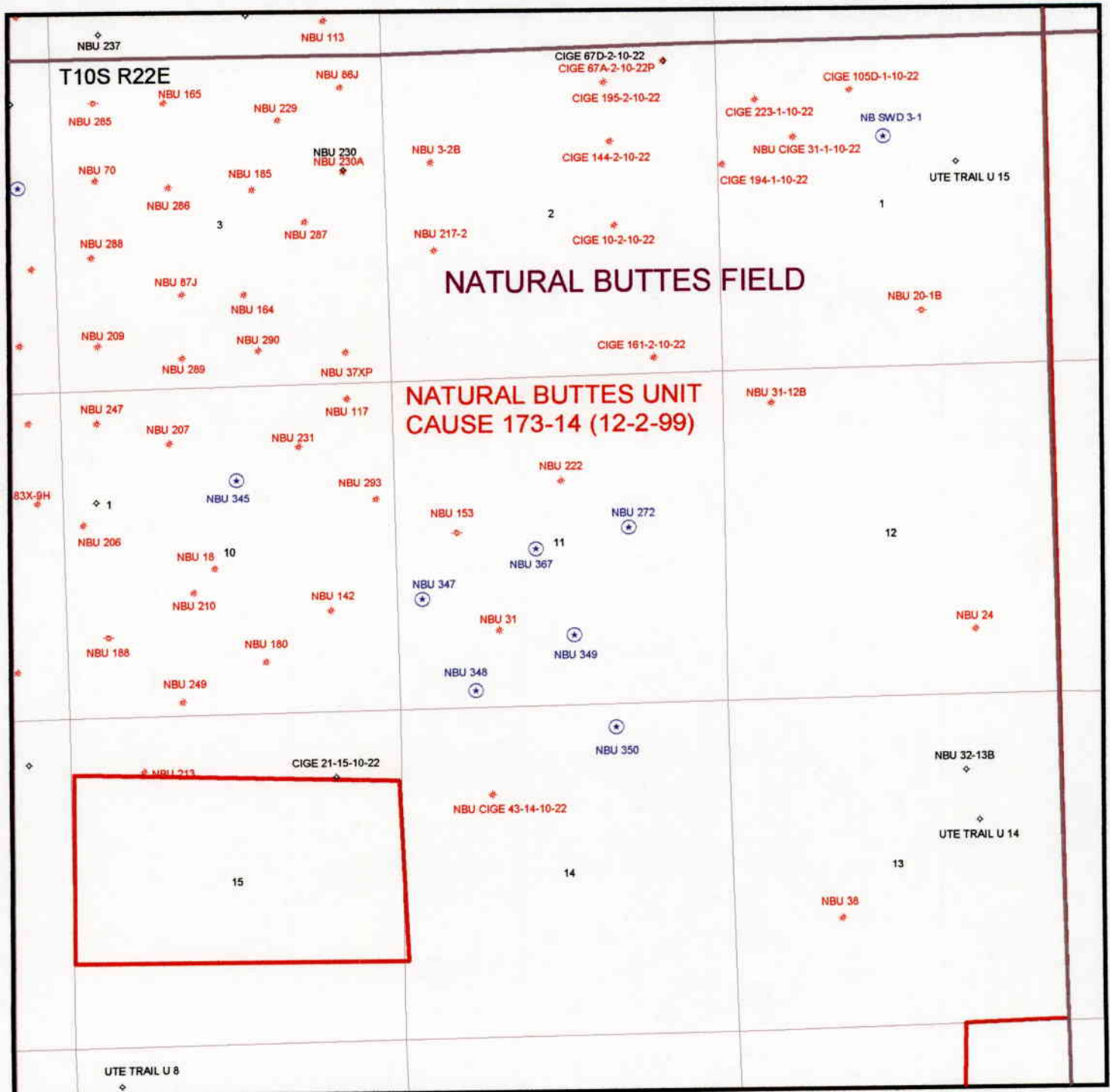
Utah Oil Gas and Mining

OPERATOR: COASTAL O&G CORP (N0230)

SEC. 11, T10S, R22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH UNIT: NATURAL BUTTES
CAUSE: 173-14



ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: COASTAL OIL & GAS CORP.
WELL NAME & NUMBER: NBU 349
API NUMBER: 43-047-34002
LEASE: STATE FIELD/UNIT: NATURAL BUTTES
LOCATION: 1/4, 1/4 SW/SE SEC: 11 TWP: 10S RNG: 22E
2405' F E L1109' F S L
LEGAL WELL SITING: Board Spaced area requiring 460 Setback
and 460 From an uncommitted tract.
GPS COORD (UTM): 12636119E 4424454N
SURFACE OWNER: STATE OF UTAH

PARTICIPANTS:

CARROLL ESTES, CARROLL WILSON, CLAY ENERSON, (EL PASO): ROBERT KAY
(UELS); DAVID HACKFORD, (DOGM); THREE DIRT CONTRACTORS.

REGIONAL/LOCAL SETTING & TOPOGRAPHY:

SITE IS ON TOP OF A SHARP RIDGE WITH DEEP DRAWS TO THE NORTHWEST
AND SOUTHEAST. THESE DRAWS RUN 0.75 MILES TO THE WHITE RIVER.
THIS AREA IS STEEP, RUGGED AND ROCKY.

SURFACE USE PLAN:

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING.
HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WOULD BE 325' BY 245'
AND ACCESS ROAD WOULD BE 0.5 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE
ATTACHED MAP FROM GIS DATABASE

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: _____
ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED
AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL
WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS:

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, SAGEBRUSH, PRICKLY PEAR, SALT BRUSH, SHADSCALE: RODENTS, COYOTES, SONGBIRDS, RAPTORS, PRONGHORN.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY WITH DARK RED AND DARK GRAY SHALE ROCKS.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE ANY INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT:

CHARACTERISTICS: 100' BY 75' AND 15' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WITH FELT SUB-LINER WILL BE REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN:

AS PER S.I.T.L.A.

SURFACE AGREEMENT: AS PER S.I.T.L.A.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY MONTGOMERY ARCHAEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS:

THE PRE-DRILL INVESTIGATION TOOK PLACE ON A COOL, BREEZY DAY.

ATTACHMENTS:

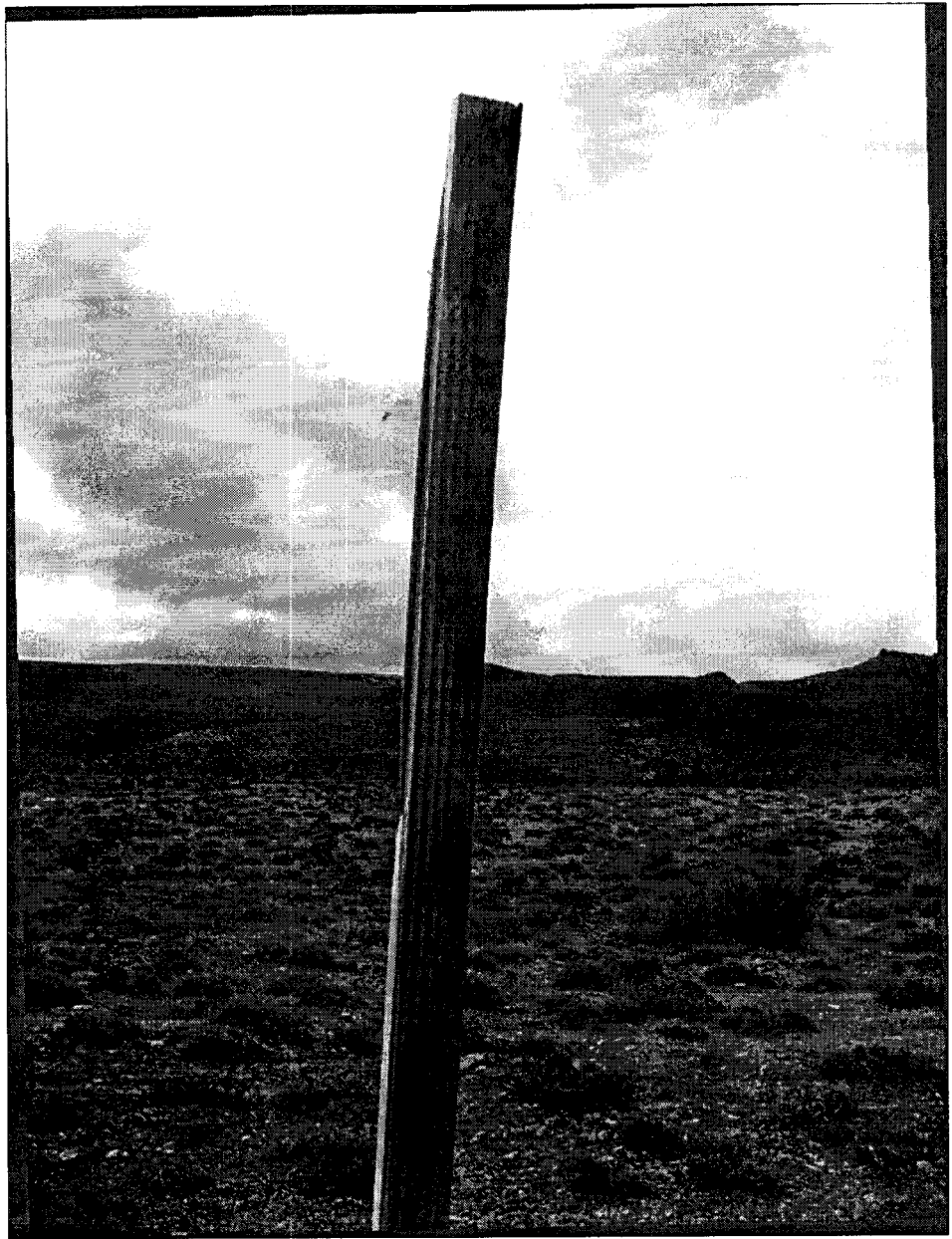
PHOTOS OF SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD
DOGM REPRESENTATIVE

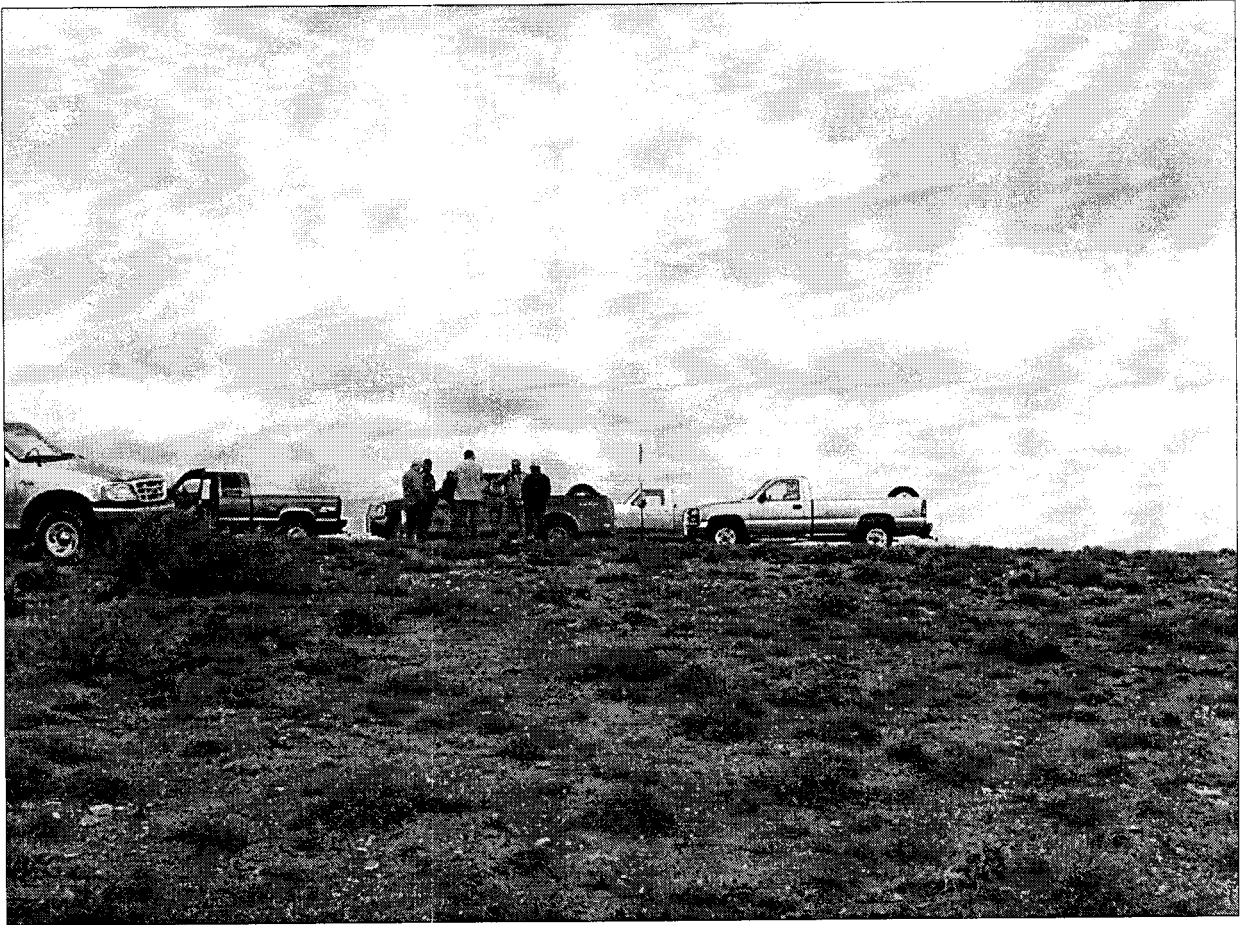
4/10/01-10:30 AM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and On-site Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
Final Score		<u>20</u>









**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

Operator Name: COASTAL OIL & GAS CORP.
Well Name & Number: NBU 349
API Number: 43-047-34002
Location: 1/4, 1/4 SW/SE Sec. 11 T. 10S R. 22E

Geology/Ground Water:

Coastal proposes to set 250' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,200'. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of section 11. This is listed as being used for mining. No culinary use is indicated. The well is approximately a mile in distance from the proposed well. Depth of this well is 1390'. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought to above the base of the moderately saline groundwater in order to isolate it from fresher waters uphole.

Reviewer: Brad Hill
Date: 04/16/2001

Surface:

The pre-drill investigation of the surface was performed on 4/10/2001. Surface owner is State of Utah. SITLA and DWR were notified of this investigation on 4/2/2001. Neither had a representative present. This site is not a legal location per general state siting rule. This site appears to be the best spot for a location in the immediate area. A 12 mil liner with felt sub-liner will be required for the reserve pit. This proposed well is 2780' from the NBU 222. When this well was drilled in 1994, 60 PPM hydrogen sulfide gas was encountered. I told El Paso personnel that DOGM may require safety equipment be on location while drilling this well, including but not limited to, wind socks, alarms, escape packs and rescue packs. I also told them an H2S contingency plan may be required.

Reviewer: David W. Hackford
Date: 4/10/2001

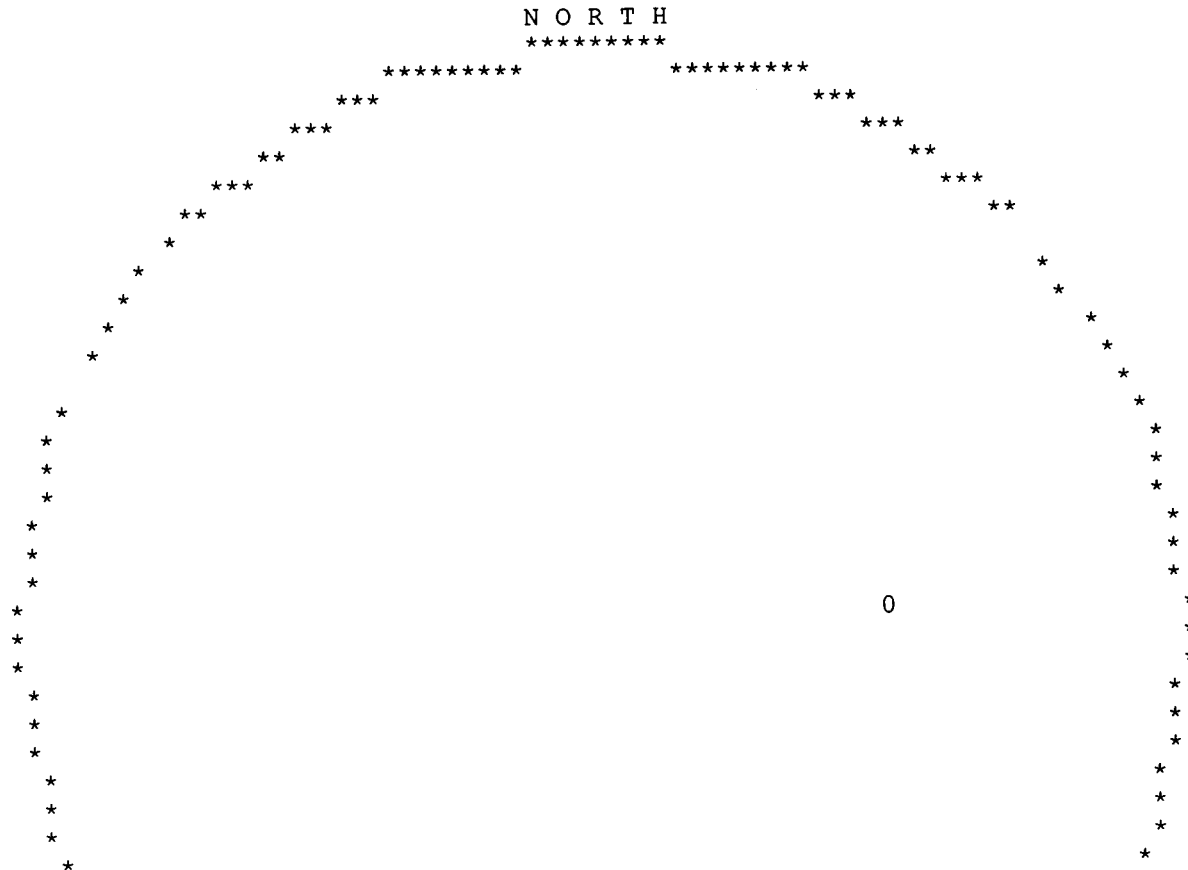
Conditions of Approval/Application for Permit to Drill:

1. A 12 mil liner with felt sub-liner will be required for the reserve pit.
2. An H₂S contingency plan will be required for this well.

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED MON, APR 16, 2001, 3:11 PM
PLOT SHOWS LOCATION OF 1 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 11 TOWNSHIP 10S RANGE 22E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





(

(

Well name:
 Operator: **Coastal**
 String type: **Production**
 Location: **Uintah County**

04-01 Coastal NBU 349

Project ID:
 43-047-34002

Design parameters:

Collapse

Mud weight: 10.000 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 156 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 250 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.519 psi/ft
 Calculated BHP 3,377 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Non-directional string.

Tension is based on air weight.
 Neutral point: 5,528 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ()
1	6500	4.5	11.60	K-55	LT&C	6500	6500	3.875	28337
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3377	4960	<u>1.47</u>	3377	5350	<u>1.58</u>	75	180	<u>2.39</u> J

Prepared R.A. McKee
 by: Utah Dept. of Natural Resources

Date: April 18,2001
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 6500 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

04-01 Coastal NBU 349Operator: **Coastal**String type: **Surface**

Project ID:

43-047-34002Location: **Uintah County****Design parameters:****Collapse**Mud weight: 9.000 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 68 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 250 ft

Cement top: Surface

BurstMax anticipated surface pressure: 0 psi
Internal gradient: 0.519 psi/ft
Calculated BHP 130 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)Tension is based on air weight.
Neutral point: 216 ft

Non-directional string.

Re subsequent strings:Next setting depth: 6,500 ft
Next mud weight: 10.000 ppg
Next setting BHP: 3,377 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 250 ft
Injection pressure 250 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ()
1	250	8.625	24.00	K-55	ST&C	250	250	7.972	2096
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	117	1370	11.72	130	2950	22.72	6	263	43.83 J

Prepared R.A. McKee
by: Utah Dept. of Natural ResourcesDate: April 18,2001
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 250 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

04-01 Coastal NBU 349

Casing Schematic

Surface

8-5/8"
MW 9.
Frac 19.3

TOC @
0.
TOC @
0.
Surface
250. MD

~ w/ 10% WASHOUT

BOP

$$.052(10) 6500 = 3380$$

$$.12(6500) = < 780 >$$

2600 psi

3M SRRA BOP

IS ADEQUATE. Ram

4/18/01

4-1/2"
MW 10.

Production
6500. MD

~ w/ 15% WASHOUT

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number U-01197-A-ST
		7. Indian Allottee or Tribe Name N/A
		8. Unit or Communitization Agreement Natural Buttes Unit
		9. Well Name and Number #349
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		10. API Well Number 43-647-34002
2. Name of Operator Coastal Oil & Gas Corporation		11. Field and Pool, or Wildcat Natural Buttes
3. Address of Operator P.O. Box 1148 Vernal, UT 84078	4. Telephone Number (435) 781-7023	
5. Location of Well Footage : 1109' FSL & 2405' FEL County : Uintah OO, Sec, T., R., M. : SW/SE Sec. 11, T10S, R22E State : UT		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input checked="" type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____		<input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____
Approximate Date Work Will Start <u>Upon APD Approval</u>		Date of Work Completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached are the revised Topo's B and D for the revisions discussed during the on-site inspection on 4/10/01 with David Hackford, State of Utah, Division of Oil, Gas, & Mining.

14. I hereby certify that the foregoing is true and correct.

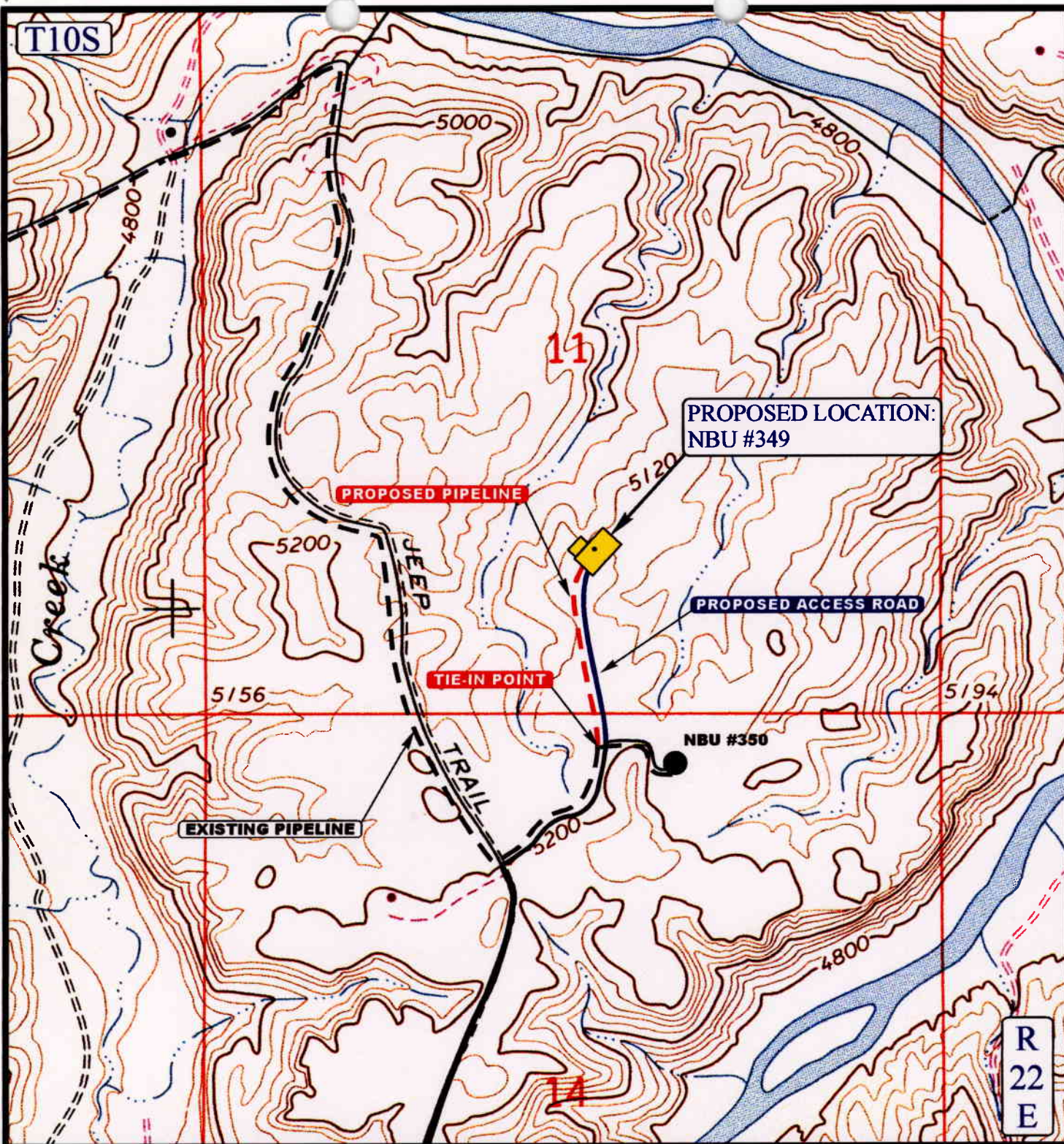
Name & Signature Cheryl Cameron Title Regulatory Analyst Date 04/16/01

(State Use Only)

RECEIVED

APR 18 2001

DIVISION OF
OIL, GAS AND MINING



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,300' +/-

LEGEND:

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- - - PROPOSED ACCESS

COASTAL OIL & GAS CORP.

NBU #349

SECTION 11, T10S, R22E, S.L.B.&M.

1109' FSL 2405' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

10 19 98
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 4-10-01

D
TOPO

H₂S Contingency Plan

for

NBU #349

Section 11, Township 10S, Range 22E

Uintah County, Utah

Prepared for:
Coastal Oil and Gas Company
1368 South 1200 East
P.O. Box 1148
Vernal, UT 84078

RECEIVED

APR 25 1981

DIVISION OF
OIL AND GAS ADMINISTRATION

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- 6. Residents - Public in Roe**
 - A. Map of area around location
- 7. Emergency Phone Directory**
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Introduction

It is the policy of Coastal Oil and Gas Company (Coastal) to provide a safe and healthful work environment for all of its employees as well as contractors that may work on Coastal leases. Coastal makes a continued effort to comply with laws and regulations relative to worker health and safety, and to manage all operations in a manner to reduce risk.

The following is a H₂S contingency plan for the Coastal NBU #349 well. The plan is designed specifically for personnel working on this project and provides detailed procedures to follow in case of an accidental release of hydrogen sulfide. In order for the plan to be effective, all personnel must review and be familiar with their responsibilities as well as the safety equipment involved.

The purpose of this plan is to act as a guideline for personnel working on the wellsite in the event of a sudden release of hydrogen sulfide. All personnel working on the wellsite as well as service personnel that may travel to location on an unscheduled basis must be familiar with this program. The cooperation and participation of all personnel involved with the drilling operation is necessary for this plan to be effective.

1. Responsibilities and Duties

In order to assure proper execution of the contingency plan, it is essential that one person be responsible for and in complete charge of implementing the procedures outlined in this plan. The order of Responsibility will be as follows:

1. Coastal drilling representative on location - if unable to perform his / her duties
2. Alternate Coastal representative - if unable to perform his / her duties
3. Rig Toolpusher / Supervisor - if unable to perform his / her duties
4. Safety consultant representative - if available

A. All Personnel

1. Always be alert for possible H₂S alarms - both audible and visual.
2. Be familiar with location of Safe Briefing Areas (SBA) and protective breathing equipment.
3. Develop a "wind awareness". Be aware of prevailing wind direction as well as nearby uphill areas, should there be no wind.
4. Familiarize yourself with nearest escape routes for safe evacuation.
5. Should H₂S alarms sound, DON'T PANIC - Remain calm and follow the instructions of person in charge.
6. If the H₂S alarms sound:
 - a. Essential personnel shall don the appropriate respiratory protective equipment and follow company procedures. Essential personnel will continue to wear respiratory protective equipment until the area is deemed safe (H₂S concentration less than 10 PPM)
 - b. Non-essential personnel shall evacuate to the appropriate safe briefing area using escape breathing systems. Wait there for further instructions from the Coastal drilling representative.
 - c. Initiate rescue protocol if necessary, following training procedures.

B. Drilling Foreman

2. The Coastal drilling foreman will confirm that all personnel on location are trained in H₂S safety and aware of the above list of duties at the point in time when the H₂S plan becomes effective at 300 feet above the Uintah Formation.
2. The Coastal foreman will ensure that all safety and emergency procedures are observed by all personnel.
3. The Coastal foreman will make an effort to keep the number of personnel on location to a minimum and to ensure that only essential personnel are on location during critical operations.
4. Should any extreme danger condition exist, the Coastal foreman will:
 - b. Assess the situation and advise all personnel by appropriate means of communication.
 - b. Be responsible for determining that the extreme danger condition is warranted and the red flag shall be posted at location entrance.
 - c. Go to safe briefing area and give clear instructions relative to the hazard on location, and actions for personnel to follow.
 - d. Notify company and regulatory groups of the current situation as outlined in company protocol.
 - e. Proceed to the rig floor and supervise operations with the Rig Supervisor. Take action to control and reduce the H₂S hazard.
 - f. Ensure that essential personnel are properly protected with supplied air breathing equipment and that non-essential personnel are in a "poison gas free" area.
 - g. Be responsible for authorizing evacuation of persons / residents in the area surrounding the drilling location.
 - h. Commence any ignition procedures if ignition criteria are met.

C. Rig Supervisor - Toolpusher

3. If the Coastal Drilling Foreman is unable to perform his / her duties, and the alternate Drilling Foreman is also unable or unavailable to perform his / her duties, the drilling rig Toolpusher will assume command of wellsite operations and all responsibilities listed above for drilling foreman.
2. Ensure that all rig personnel are properly trained to work in H₂S environments and fully understand the purpose of the H₂S alarms and actions to take when alarms activate. Ensure that all crew personnel understand the buddy system, safe briefing areas, and individual duties as well as emergency evacuation procedures.
3. Should an extreme danger operational condition arise, the rig Toolpusher shall assist the Coastal foreman by:
 - c. Proceeding to the rig floor and assist in supervising rig operations.
 - b. Ensure that only essential working personnel remain in hazardous areas.
 - c. Ensure that all crew members that remain in hazardous area wear respiratory protective equipment until notified that area is "clear" of any toxic gases.
 - d. Assign rig crew member or other service representative to block the entrance to location. No unauthorized personnel will be allowed entry to location.
 - e. Help to determine hazardous "danger zones" on location using portable detection equipment and position electric fans to move gas in any high concentration areas.

D. Safety Consultant

4. During normal operations (no H₂S present), the Safety Consultant will be responsible for the following:
 - d. Ensure that all wellsite safety equipment is in place and operational.
 - b. Ensure that all wellsite personnel are familiar with the location safety layout and operation of all safety equipment.

- c. Assist the Coastal foreman in performing weekly H₂S drills for location personnel.
- 2. When an operational condition is classified as extreme danger, the Safety Consultant will be responsible for the following:
 - e. Account for all wellsite personnel.
 - b. Assess any injuries and direct first aid measure.
 - c. Ensure that all safety and monitoring equipment is functioning properly and available.
 - d. Monitor the safety of wellsite personnel
 - e. Maintain a close communication with Coastal Foreman.
 - f. Be prepared to assist Coastal Foreman with support for rig crew or other personnel using breathing equipment.
 - g. Be prepared to assist Coastal Foreman with emergency procedures including possible well ignition.
 - h. Be prepared to assist with evacuation of any area residents or other personnel working in the immediate area.

2. Drilling Rig Layout

E. Location

3. All respiratory protective equipment and H₂S detection equipment will be rigged up 3 days or 500 feet prior to entering the first zone suspected to contain hydrogen sulfide. The rig crews and other service personnel will be trained at this time.
2. The drilling rig will be situated on location to allow for the prevailing winds to blow across the rig toward the circulation tanks or at right angles to the lines from the B.O.P.s to the circulation tanks.
3. The entrance to the location is designed so that it can be barricaded if a hydrogen sulfide emergency condition arises. An auxiliary exit route will be available so that in case of an emergency, a shift in wind direction would not prevent escape from the location.
4. A minimum of 2 safe briefing areas (SBA) shall be designated for assembly of personnel during emergency conditions. These will be located at least 150 feet, or as practical, from the wellbore and in such a location that at least one area will be upwind of the well at all times. Upon recognition of an emergency situation, all personnel will be trained to assemble at the designated briefing area for instructions.
5. Smoking areas will be established and "No Smoking" signs will be posted around the location.
6. Reliable 24 hour radio and telephone communications will be available at the Drilling Foremen's office.
7. A mud-gas separator will be rigged up and manifolded to the choke system.
8. All equipment that might come into contact with hydrogen sulfide, including drill pipe, drill stem test tools, blowout preventers, casing, and the choke system, will meet Coastal's metallurgy requirements for H₂S service.
9. The drilling rig will have a continuous electronic H₂S detection system that automatically will activate visible and audible alarms if hydrogen sulfide is detected. The visible light will activate if 10 PPM H₂S is present. The audible siren will activate if 15 PPM or higher concentration is present. There will be at least 4 H₂S sensors in place on the drilling rig. They will be located to detect the presence of

hydrogen sulfide in areas where it is most likely to come to the surface. The sensor head locations will be: 1) rig floor by driller's console, 2) substructure area near the bell nipple, 3) the shale shaker, 4) the mud mixing area. Additional sensors will be positioned at the discretion of the Drilling Foreman. At least 1 light and 1 siren will be placed on the rig to indicate the presence of hydrogen sulfide. The light and siren will be strategically placed to be visible to all personnel on the drill site. Additional alarm lights & sirens may be added to ensure that all personnel on the drill site are able to notice the alarms at any time.

10. The H₂S detection equipment will be calibrated as recommended by the manufacturer. Calibration records will be maintained on location.
11. At least 4 windsocks will be placed around the drill site to ensure that wind direction can be readily determined by everyone on the drilling location. One windsock will be mounted on or near the rig floor to be readily visible to rig crews when tripping pipe.
12. All respiratory protective equipment will be NIOSH/MSHA approved positive pressure type and maintained according to manufacturer's guidelines. All breathing air used for this equipment will be CGA type Grade D breathing air. Battery powered voice mikes will be available for communication when wearing masks.
13. Both 30 minute self-contained breathing apparatuses (SCBA) and workline units with escape cylinders will be available on location. There will be sufficient numbers of this supplied air breathing equipment on location to ensure that all personnel on location have 1 piece of equipment available to them. All Respiratory protective equipment will use nose cups to prevent fogging in temperatures below 32 F. Spectacle kits will be available for personnel that require corrective lenses when working under mask.
14. Electric explosion-proof ventilating fans (bug blowers) will be available to provide air movement in enclosed areas where gas might accumulate.
15. H₂S drills will be conducted at least weekly to ensure that all well site personnel are competent in emergency donning procedures. These drills will be recorded in the driller's log.

3. Safety Procedures

A. Training

All personnel who come onto the drilling location must be properly trained in hydrogen sulfide, nitrogen, and oxygen deficient atmosphere safety. The personnel shall carry documentation with them indicating that the training has occurred within the previous 12 months.

Training topics shall include at a minimum:

1. Hazards and characteristics of hydrogen sulfide, nitrogen, and oxygen deficient atmospheres and symptoms of exposure to these gases.
2. Proper use, care and limitations of respiratory protective equipment with hands on practice.
3. Use of both fixed and portable toxic gas detection equipment.
4. Work practices to reduce opportunities for toxic gas exposure as well as confined space procedures.
5. First aid for toxic gas exposure and resuscitation equipment.
6. The buddy system
7. Emergency evacuation procedures
8. A review of the contingency plan for the well.

B. Operating Conditions

A three color flag warning system will be used to notify personnel approaching the drill site as to operating conditions on the wellsite. This system is in compliance with BLM Operating Order #6 and follows industry standards.

Green Flag - Potential Danger

Yellow Flag - Moderate Danger

Red Flag - Extreme Danger - Do Not approach if red flag is flying.

C. Evacuation Plan

There are no permanent residents within a 1 mile radius of the drill site. Coastal Oil and Gas Company has operations within this area and travel the roads in the immediate area.

D. Emergency Rescue Procedures

Wellsite personnel should not attempt emergency rescues unless they have been properly trained. A trained person who discovers another person overcome by hydrogen sulfide should **not attempt to rescue without donning the proper breathing equipment**. When making an emergency rescue always use the following procedures:

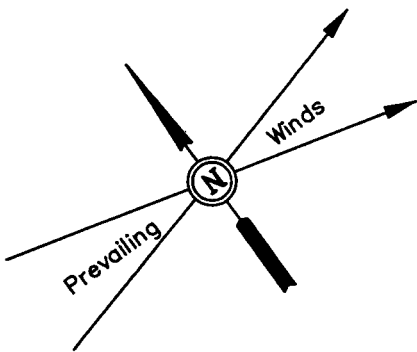
1. Don rescue breathing equipment before attempting to rescue someone.
2. Remove the victim from the contaminated area to an area free of toxic gas by traveling upwind or cross wind. Be certain that you are in a safe area before removing your breathing equipment.
3. If the victim is not breathing, initiate mouth - to - mouth resuscitation immediately. Follow CPR guidelines and replace mouth to mouth with a bag mask resuscitator if available.
4. Treat the victim for shock, keeping the victim warm and calm. Never leave the victim alone.
5. Any personnel who experience hydrogen sulfide exposure must be taken to a hospital for examination and their supervisor notified of the incident.
6. Their supervisor shall follow the company Emergency Preparedness plan.

4. H₂S Safety Equipment on Drilling Location

Item	Amount	Description
1.	One (1)	Safety trailer with a cascade system of 10-300 cu. ft bottles of compressed breathing air complete with high pressure regulators.
2.	At least 1000 ft.	Low pressure airline equipped with Hansen locking fittings. This airline will be rigged up with manifolds to supply breathing air to the rig floor, substructure, derrick, shale shaker area, and mud mixing areas. Three high pressure refill hoses will be attached to cascade systems for cylinder refill.
3.	Twelve (12)	Scott 30 minute self contained breathing apparatuses (SCBA).
4.	Twelve (12)	Scott airline units with emergency escape cylinders.
5.	One (1)	4 - channel continuous electronic H ₂ S monitor with audible and visual alarms. The set points for these alarms are 10 PPM for the low alarm and 15 PPM for the high alarm.
6.	Two (2)	Sensidyne portable hand operated pump type detection units with tubes for hydrogen sulfide and sulfur dioxide.
7.	One (1)	Oxygen resuscitator with spare oxygen cylinder.
8.	One (1)	Trauma first aid kit.
9.	One (1)	Stokes stretcher and one (1) KED.
10.	Four (4)	Wind socks.
11.	At least one (1)	Well condition sign with 3 flag system.
12.	Two (2)	Safe Briefing Area (SBA) signs.
13.	One (1)	Fire blanket.
14.	One (1)	Set air splints.

- | | | |
|-----|-----------|---|
| 15. | Two (2) | Electric explosion proof fans. |
| 16. | One (1) | Bullhorn and chalk board. |
| 17. | Three (3) | 300 cu. ft. air bottles for the safe briefing area. |
| 18. | Two (2) | 30 pound fire extinguishers. |
| 19. | Six (6) | Battery powered voice mikes for communication when wearing air masks. |
| 20. | One (1) | Battery powered combustible gas meter. |

Insert drilling location map showing placement of safety equipment.



COASTAL OIL & GAS CORP.

LOCATION LAYOUT TO ACCOMPANY H₂S CONTINGENCY PLAN

NBU #349

SECTION 11, T10S, R22E, S.L.B.&M.
1109' FSL 2405' FEL

SCALE: 1" = 50'
DATE: 4-11-01
Drawn By: C.G.

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.

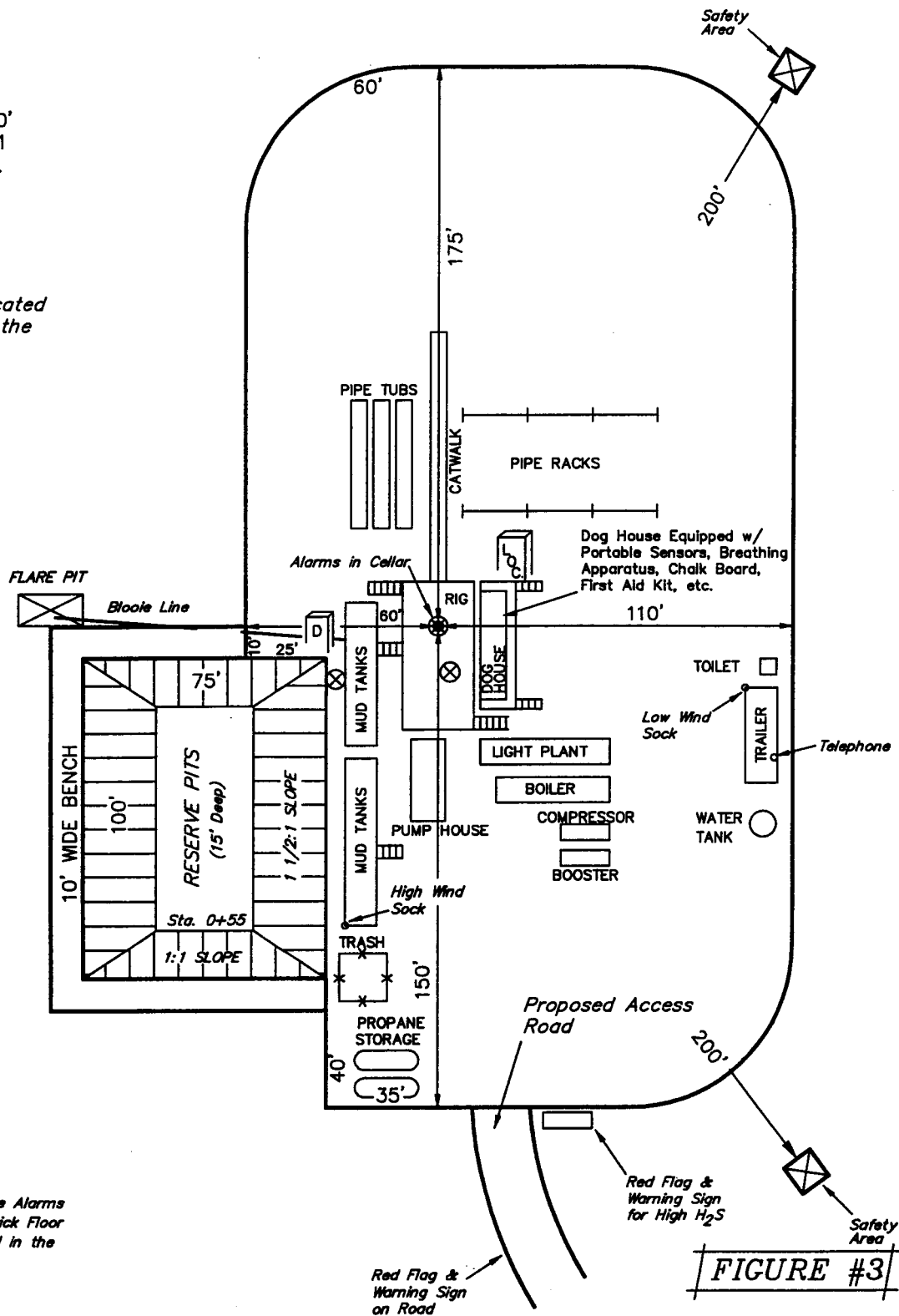


FIGURE #3

5. Well Ignition Procedures

If it should become apparent that an uncontrolled release of hydrogen sulfide to the atmosphere may endanger the health and safety of the public or well site personnel, the Coastal drilling foreman will make a decision to ignite the well. The following procedure should be followed before attempting to ignite the well.

A. Ignition Equipment - the following equipment will be available on-site for use by the ignition team.

1. 2-12-gauge flare guns with flare shells.
2. 2-500 ft. fire resistant retrieval ropes.
3. 1 portable combustible gas meter.
4. Self contained breathing apparatus (SCBA) for each member of the ignition team.
5. 1 backup vehicle with communications equipment.

B. Ignition Procedures

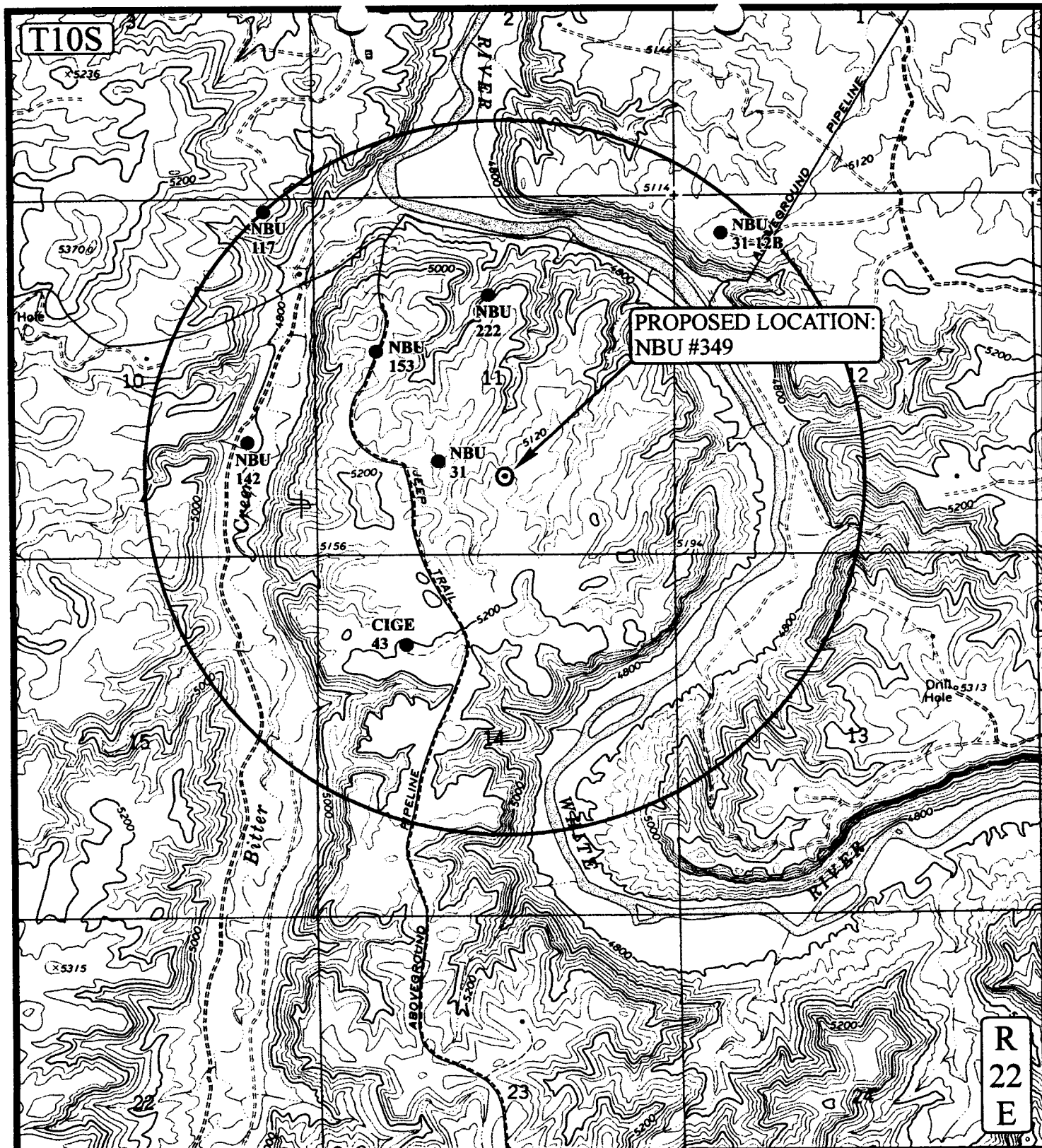
1. The Coastal drilling foreman will ensure that well site personnel are evacuated to a safe area upwind of the well bore prior to any ignition action.
2. The Coastal foreman and a designated partner "buddy" backed up by well site safety personnel will comprise the ignition team. All team members will be wearing 30 minute SCBAs.
3. The backup crew will be positioned near a radio equipped vehicle at a safe distance from the sour gas release. They will standby to rescue the actual team igniting the well.
4. The partner of the ignition team will carry a combustible gas / hydrogen sulfide meter to continuously monitor the area in which they are working and define the perimeter of the gas cloud.
5. The Coastal foreman will carry the flare gun and shells.
6. The ignition team will determine the hazardous area and establish safe working perimeters. Once this is identified the team will proceed

upwind of the leak and fire into the area with flare gun. If trouble is encountered in trying to light the leak, retry to ignite by firing the flare shells at 45 and 90 degree angles to the gas source, but DO NOT approach closer to the leak.

7. After ignition, monitor for sulfur dioxide and work with the support group to restrict access to the contaminated area.

6. Residents & General Public Within the Radius Of Exposure

There are no residents within a one mile radius of the well site. Coastal operates other wells within a one mile radius. Coastal personnel could be working in the area at any time of day.



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

COASTAL OIL & GAS CORP.

NBU #349
SECTION 11, T10S, R22E, S.L.B.&M.
1109' FSL 2405' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

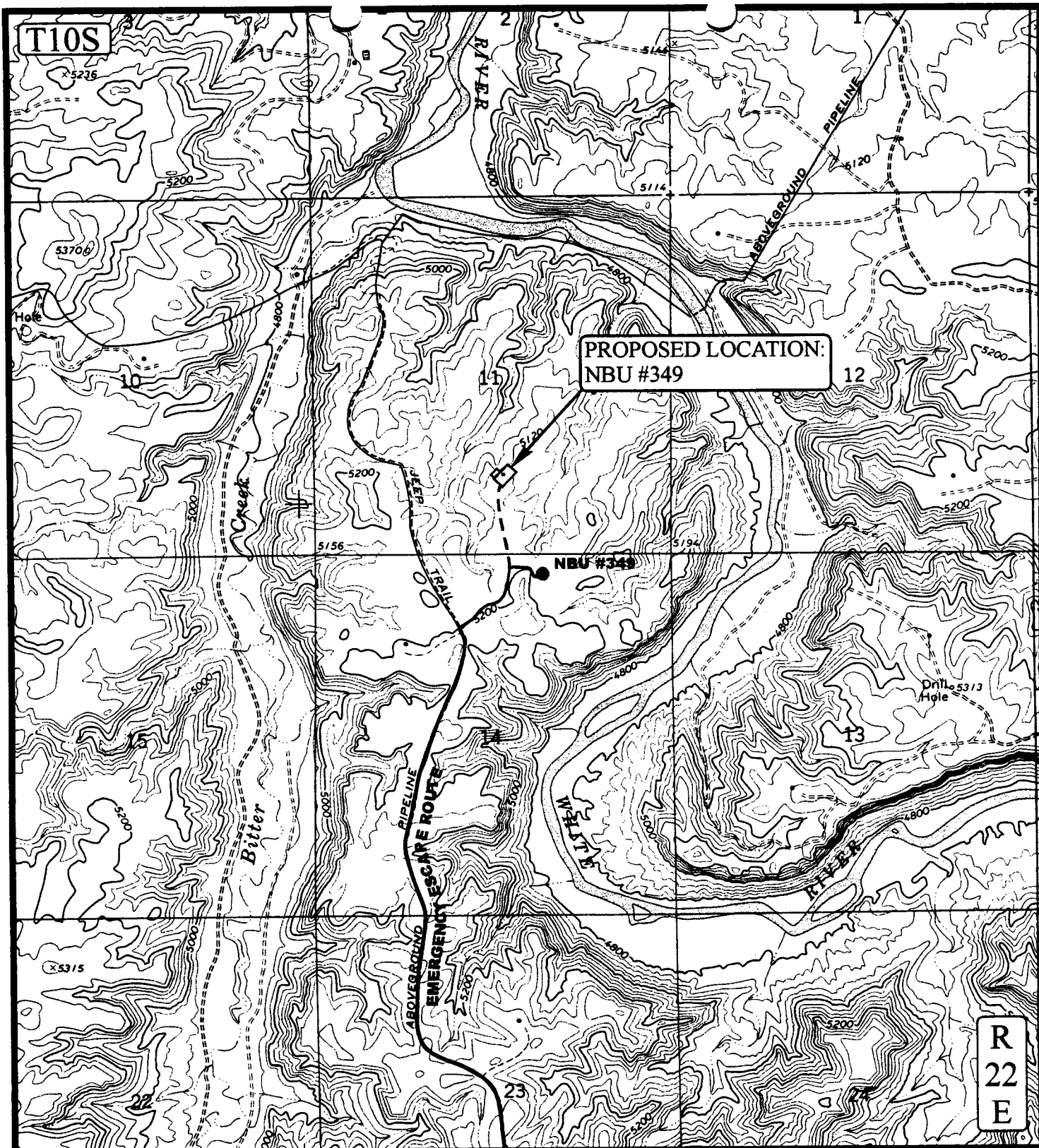


TOPOGRAPHIC
MAP

10 19 98
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00





LEGEND:

----- PROPOSED ACCESS ROAD
 _____ EXISTING ROAD

COASTAL OIL & GAS CORP.

NBU #349

SECTION 11, T10S, R22E, S.L.B.&M.

1109' FSL 2405' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
 MAP

4 23 01
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00

1
 TOPO

7. Emergency Phone Directory

A. Coastal Oil & Gas Corporation

1368 South 1200 East
Vernal, UT 84078
435-781-7048

<u>Title</u>	<u>Name</u>		<u>Phone</u>
Utah Gas Production Manager	Les Streeb	O	435-781-7035
		H	435-789-7654
		M	435-828-6868
Drilling	Larry Strasheim	O	435-781-7003
		M	435-828-7436
Drilling	Dan Lindsay	O	435-781-7051
		M	435-828-1101
		H	435-789-5223
Vice President-Production Rocky Mt. District	Dwayne Jamal	O	713-877-7527
Principal Environmental Spec. Rocky Mt. District	Carroll Estes	O	435-781-7009
		H	435-789-3301
		M	453-828-3301
Manager Environmental Affairs - Houston, TX	Mike McAllister		800-877-3933
		O	713-877-6590
		H	713-469-5789
Colorado Interstate Gas Co.	Tim Bustos	O	435-789-2773
		M	435-828-3951

B. Emergency Services Phone List

1. Ashley Valley Medical Center - Vernal, UT435-789-3342
2. Ambulance Services - Uintah County, UT911
3. Sheriff Department - Uintah County, UT435-789-4222
4. Highway Patrol - Utah800-222-0038
5. Fire Department - Uintah County, UT435-789-2511
6. Utah Division Oil & Gas - Salt Lake City, UT801-538-5277
7. Medical Helicopter - Air Med- Salt Lake City, UT800-453-0120

8. Properties of Gases

If gas should be produced, it could be a mixture of carbon dioxide, hydrogen sulfide, and methane.

TOXICITY OF VARIOUS GASES

Common Name	Specific Chemical Formula	Gravity (Air = 1)	Threshold Limit ¹	Hazardous Limit ²	Lethal Concern ³
Hydrogen Sulfide	H ₂ S	1.18	10 ppm	250 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21	5 ppm	--	1000 ppm
Carbon Monoxide	CO	0.97	50 ppm	400 ppm/hr	1000 ppm
Carbon Dioxide	CO ₂	1.52	5000 ppm	5%	10%
Methane	CH ₄	0.55	90000 ppm above 5% in Air	Combustible	--

1. **Threshold** - Concentration at which it is believed that all workers may repeatedly be exposed, day after day, without adverse side effects.
2. **Hazardous** - Concentration that may cause death.
3. **Lethal** - Concentration that will cause death with short-term exposure

1. Hydrogen Sulfide

General Properties

Hydrogen sulfide is a colorless and transparent gas and is flammable. It is heavier than air and, hence, may accumulate in low places.

Although the slightest presence of H_2S in the air is normally detectable by its characteristic "rotten egg" odor, it is dangerous to rely on the odor as a means of detecting excessive concentrations because the sense of smell is rapidly lost, allowing lethal concentrations to be accumulated without warning. The following table indicates the poisonous nature of hydrogen sulfide, which is more toxic than carbon monoxide.

Common names: sour gas, acid gas, rotten egg gas, sulphur gas, sulphurated gas, sweet gas (H_2S is a sweet tasting gas, but often the word "tasting" is left out).

Physical - Chemical Properties

Chemical Formula	H_2S
1. Specific Gravity (air = 1.000)	1.193 (@ 77 F)
2. Color	None
3. Odor	Compare to rotten eggs
4. Odor Threshold	0.13 part of 1 ppm
5. Corrosivity	Reacts with metals, plastics, tissues and nerves.
6. Solubility in Water	4.0 to 1 in H_2O @ 32 F 2.6 to 1 in H_2O @ 68 F
7. Effects on Humans	Olfactory nerves, respiratory nerves, irritates sensitive membranes in eyes, nose, and throat.
8. Vapor Pressure	19.6 atmospheres at 25 C
9. Explosive Limits	4.3% to 46% by volume in air

10. Ignition Temperature	500E F (burns with a pale flame)
11. Molecular Weight	34.08
12. Conversion Factors	1 mg / 1 of air = 717 ppm (at 25 C and 760 mm HG). 1 ppm = 0.00139 mg / 1 of air
13. pH	3 in water

Industrial Occurrences

Hydrogen Sulfide exposures occur in certain processes in the petroleum industry, chemical plants, chemical laboratories, sulfur and gypsum mines, viscose rayon and rubber industries, tanneries, and in the manufacture of some chemicals, dyes and pigments. It may be encountered in excavations in swampy or filled ground. It is produced when sulfur-containing organic matter decomposes, and it can therefore be found in sewage or organic-waste treatment plants. A common sewer gas, it may find its way into utility manholes, particularly dangerous when encountered in tanks, vessels, and other enclosed spaces.

Toxic Properties

Hydrogen Sulfide is an extremely toxic and irritating gas. Free Hydrogen Sulfide in the blood reduces its oxygen-carrying capacity, thereby depressing the nervous system. Sufficiently high concentrations cause blocking of the phrenic nerve, resulting in immediate collapse and death due to respiratory failure and asphyxiation.

Because Hydrogen Sulfide is oxidized quite rapidly to sulfates in the body, no permanent after effects occur in cases of recovery from acute exposures unless oxygen deprivation of the nervous system is prolonged. However, in cases of acute exposures, there is always the possibility that pulmonary edema may develop. It is also reported that symptoms such as nervousness, dry nonproductive coughing, nausea, headache, and insomnia, lasting up to about three days, have occurred after acute exposures to Hydrogen Sulfide.

At low concentrations the predominant effect of Hydrogen Sulfide is on the eyes and respiratory tract. Eye irritation, conjunctivitis, pain, lacrimation, keratitis, and photophobia may persist for several days. Respiratory tract

symptoms include coughing, painful breathing, and pain in the nose and throat.

There is no evidence that repeated exposures to Hydrogen Sulfide result in accumulative or systemic poisoning. Effects such as eye irritation, respiratory tract irritation, slow pulse rate, lassitude, digestive disturbances, and cold sweats may occur, but these symptoms disappear in a relatively short time after removal from the exposure. Repeated exposures to Hydrogen Sulfide do not appear to cause any increase or decrease in susceptibility to this gas.

The paralytic effect of Hydrogen Sulfide on the olfactory nerve is probably the most significant property of the gas. This paralysis may create a false sense of security. A worker can be overcome after the typical rotten-egg odor has disappeared. Rather than the characteristic Hydrogen Sulfide odor, some victims of sudden acute overexposure have reported a brief, sickeningly sweet odor just prior to unconsciousness.

Subjective olfactory responses to various concentrations of Hydrogen Sulfide have been summarized as follows:

0.02 ppm	No Odor
0.13 ppm.....	Minimal perceptible odor
0.77 ppm.....	Faint, but readily perceptible odor
4.60 ppm.....	Easily detectable, moderate odor
27.0 ppm.....	Strong, unpleasant odor, but not intolerable

Physiological responses to various concentrations of Hydrogen Sulfide have been reported as follows:

10 ppm	Beginning eye irritation
50-100 ppm	Slight conjunctivitis and respiratory tract irritation after 1 hour exposure.

	100 ppm Coughing, eye irritation, loss of sense of smell after 2-15 minutes. Altered respiration, pain in the eyes, and drowsiness after 15-30 minutes, followed by throat irritation after 1 hour. Several hours' exposure results in gradual increase in severity of these symptoms and death may occur within the next 48 hours.
200-300 ppm	Marked conjunctivitis and respiratory tract irritation after 1 hour of exposure.
500-700 ppm	Loss of consciousness and possibility of death in 30 minutes to 1 hour.
700-1000 ppm	Rapid unconsciousness, cessation of respiration, and death.
1000-2000 ppm	Unconsciousness at once, with early cessation of respiration and death in a few minutes. Death may occur even if individual is removed to fresh air at once.

Acceptable Concentrations

Acceptable Eight-Hour Time-Weighted Average

To avoid discomfort, the time-weighted average concentration of Hydrogen Sulfide shall not exceed 10 ppm.

Acceptable Ceiling Concentrations

The acceptable concentration for protection of health for an eight-hour, five-day week shall be 20 ppm. Fluctuations are to occur below this concentration.

Acceptable Maximum for Peaks Above Acceptable Base Line for Continuous Exposure

A single-peak concentration not exceeding 50 ppm for a maximum of 10 minutes is allowable provided that the daily time-weighted average is not exceeded.

H₂S Equivalents

<u>Parts per Million</u>	<u>Percent</u>	<u>Grains per 100 cu. ft.</u>
1	.0001	.055
10	.001	.55
18	.0018	1.0
100	.01	5.5
1000	.1	55.5
10000	1.0	555.5

Grains per 100 cu. ft. = % by volume Mole 636.4 1% by volume = 10,000 ppm

B. Sulfur Dioxide

Sulfur Dioxide (SO₂) is a colorless, transparent gas and is non-flammable.

Sulfur Dioxide is produced during the burning of H₂S. Although SO₂ is heavier than air, it will be picked up by a breeze and carried downwind at elevated temperatures. While Sulfur Dioxide is extremely irritating to the eyes and mucous membranes of the upper respiratory tract, it has exceptionally good warning powers in this respect.

Physical - Chemical Properties

Chemical Formula	SO ₂
1. Specific Gravity (air = 1.000)	2.212
2. Color	None
3. Flammable	No
4. Odor	Characteristic, pungent, gives ample warning of its presence.
5. Corrosivity	Dry – not corrosive to ordinary metals Wet – corrosive to most common metals
6. Allowable Concentrations	5 ppm (ACGIH) 5 ppm (OSHA)
7. Effects on Humans	Irritates eyes, throat and upper respiratory system

Concentrations & Effects

<u>%SO₂</u>	<u>ppm</u>	<u>Effects</u>
0.0005	5	Pungent odor-normally a person can detect SO ₂ in this range.
0.001	10	Safe for eight (8) hour exposure.
0.0012	12	Throat irritation, coughing, constriction of the chest, tearing and smarting of the eyes.
0.015	150	So irritating that it can only be endured for a few minutes.
0.05	500	Causes a sense of suffocation, even with the first breath.

Toxic Properties

Sulfur Dioxide is an irritating gas in its vapor form and the odor is so intensely irritating that concentrations of 3 to 5 parts per million in the air are readily detectable by the normal person. In higher concentrations, the severely irritating effect of the gas makes it unlikely that any person would be able to remain in a Sulfur Dioxide contaminated atmosphere unless he were unconscious or trapped.

Sulfur Dioxide gas is intensely irritating to the eyes, throat, and upper respiratory system. Inhalation of this gas in concentrations of 8 to 12 parts per million in air causes throat irritation, coughing, constriction of the chest, tearing and smarting of the eyes. 150 parts per million is so extremely irritating that it can be endured only for a few minutes. 500 parts per million is so acutely irritating to the upper respiratory tract that it causes a sense of suffocation, even with the first breath.

Out of numerous reported exposures to Sulfur Dioxide, there are few references that would indicate pneumonia as an after effect.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

April 26, 2001

Coastal Oil & Gas Corporation
PO Box 1148
Vernal, UT 84078

Re: Natural Buttes Unit 349 Well, 1109' FSL, 2405' FEL, SW SE, Sec. 11, T. 10 South,
R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34002.

Sincerely,

John R. Baza
Associate Director

er

Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal

Operator: Coastal Oil & Gas Corporation
Well Name & Number Natural Buttes Unit 349
API Number: 43-047-34002
Lease: U 01197 A-ST

Location: SW SE Sec. 11 T. 10 South R. 22 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE 

DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE 

DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

MAR 14 2001

DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:


"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION



David L. Siddall
Vice President

Attest:


Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

JUL 12 2001

**DIVISION OF
OIL, GAS AND MINING**

In Reply Refer To:

3106

UTSL-065841

(UT-924)

JUL 10 2001

NOTICE

El Paso Production Oil & Gas Company : Oil and Gas
Nine Greenway Plaza :
Houston TX 77046-0095 :

Name Change Recognized

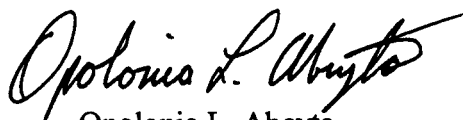
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta
Acting Chief, Branch of
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
~~State of Utah, DOGM,~~ Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

OPERATOR CHANGE WORKSHEET**ROUTING**

1. GLH		4-KAS
2. CDW ✓		5-LP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X MergerThe operator of the well(s) listed below has changed, effective: **3-09-2001**

FROM: (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

CA No.**Unit: NATURAL BUTTES****WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 519-3E	43-047-33779	2900	03-09S-21E	FEDERAL	GW	P
NBU 368	43-047-33972	99999	04-09S-21E	FEDERAL	GW	APD
CIGE 256	43-047-33971	2900	09-09S-21E	FEDERAL	GW	APD
CIGE 242	43-047-34022	99999	33-09S-22E	FEDERAL	GW	APD
NBU 288	43-047-32986	2900	03-10S-22E	FEDERAL	GW	P
NBU 336	43-047-34027	99999	04-10S-22E	FEDERAL	GW	APD
NBU 337	43-047-34020	99999	04-10S-22E	FEDERAL	GW	APD
NBU 338	43-047-34058	99999	05-10S-22E	FEDERAL	GW	APD
NBU 344	43-047-34021	99999	08-10S-22E	FEDERAL	GW	APD
NBU 348	43-047-34001	99999	11-10S-22E	STATE	GW	APD
NBU 349	43-047-34002	99999	11-10S-22E	STATE	GW	APD
NBU 382	43-047-34235	99999	22-10S-22E	FEDERAL	GW	NEW
NBU 381	43-047-34234	99999	23-10S-22E	FEDERAL	GW	NEW
NBU 39	43-047-30861	2900	29-10S-22E	FEDERAL	GW	P
NBU 360	43-047-33773	2900	29-10S-22E	FEDERAL	GW	P
NBU 47N2	43-047-30534	2900	30-10S-22E	FEDERAL	GW	S
NBU 351	43-047-33668	2900	30-10S-22E	FEDERAL	GW	P
NBU 384	43-047-34237	99999	30-10S-22E	FEDERAL	GW	NEW
NBU 70-34B	43-047-30577	2900	34-10S-22E	FEDERAL	GW	S
NBU 62-35B	43-047-30477	2900	35-10S-22E	FEDERAL	GW	S

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If NO, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 08/23/2001
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 08/23/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEDERAL BOND VERIFICATION:

1. Federal well(s) covered by Bond No.: WY 2793

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

FILMING:

1. All attachments to this form have been MICROFILMED on: _____

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

**RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety - Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.**

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

**Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.**

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

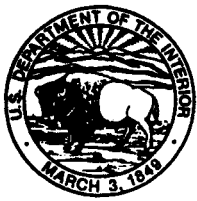
I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black

Debby J. Black
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:

3106

UTU-25566 et al

(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

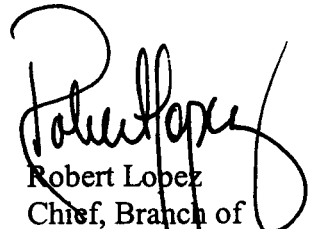
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523



Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number U-01197-A-ST
		7. Indian Allottee or Tribe Name N/A
		8. Unit or Communitization Agreement Natural Buttes Unit
		9. Well Name and Number NBU #349
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		10. API Well Number 43-047-34002
2. Name of Operator El Paso Production Oil & Gas Company		11. Field and Pool, or Wildcat Natural Buttes
3. Address of Operator P.O. Box 1148 Vernal, Utah 84078	4. Telephone Number (435) 781-7024	
5. Location of Well Footage : 1109'FSL & 2405'FEL County : Uintah QQ, Sec, T., R., M. : SWSE Section 11-T10S-R22E State : Utah		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>APD Extension</u> | |

Approximate Date Work Will Start Immediate**SUBSEQUENT REPORT**

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
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| <input type="checkbox"/> Other _____ | |

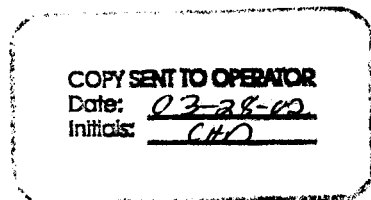
Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The operator requests that the APD for the subject well be extended for an additional year so that drilling operations may be completed.



**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 03-28-02
 By: [Signature]

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature Sheila Upchego Title Regulatory Analyst Date 03/14/02
 (State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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2. Name of Operator El Paso Production Oil & Gas Company		10. API Well Number 43-047-34002
3. Address of Operator P.O. Box 1148 Vernal, UT 84078	4. Telephone Number (435) 781-7023	11. Field and Pool, or Wildcat Natural Buttes
5. Location of Well Footage : 1109' FSL & 2405' FEL County : Uintah QQ, Sec. T., R., M : SWSE Sec. 11, T10S, R22E State : UT		
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 (Submit in Duplicate)

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<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start 2nd Quarter 2002

SUBSEQUENT REPORT
 (Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
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Operator requests that authorization be granted to amend the current approved TD of 6500' to a TD of 7300'. Refer to the attached well bore schematic for the TD, cement, and casing amendments for the subject well.

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

COPY SENT TO OPERATOR

Date: 4-15-02
 Initials: CHD

Date: 04-09-02
 By: [Signature]

DIVISION OF
 OIL, GAS AND MINING

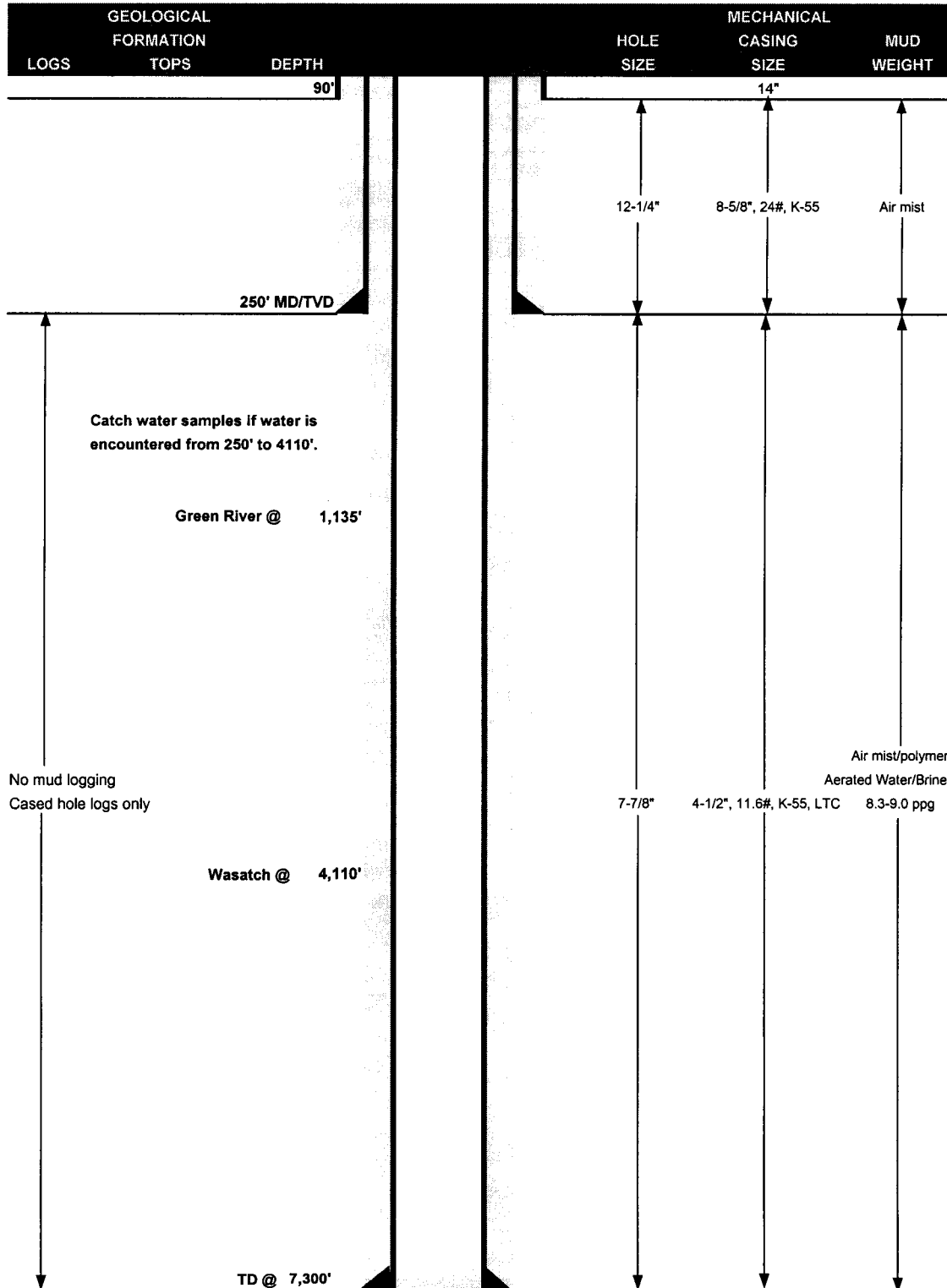
14. I hereby certify that the foregoing is true and correct.

Name & Signature Cheryl Cameron Title Operations Date 04/05/02

(State Use Only)

DRILLING PROGRAM FOR SUNDRY

COMPANY NAME El Paso Production Company DATE April 5, 2002
WELL NAME NBU 349 TD 7,300' MD/TVD
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,175' KB
SURFACE LOCATION 1109' FSL, 2405' FWL, SW/SE, SEC. 11, T10S, R22E BHL Straight Hole
OBJECTIVE ZONE(S) Wasatch
ADDITIONAL INFO Regulatory Agencies: UDOGM, BLM, Tri-County Health Dept.



el paso | Production
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2950	1370	263000
SURFACE	8-5/8"	0-250'	24.00	K-55	STC	21.03	11.71	4.70
						5350	4960	180000
PRODUCTION	4-1/2"	0-TD	11.60	K-55	LTC	2.08	1.45	1.34

- 1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)
- 2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (Gas Gradient x TVD of Next Casing Point x 0.67) - (Mud Weight x TVD x 0.052 x 0.33)
- 3) MASP (Prod Casing) = Pore Pressure - (Gas Gradient x TVD of Production Interval)
- (Burst Assumptions: FG @ 8-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing, 50000 lbs overpull)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE		250	Premium Plus + 2% CaCl ₂ + 0.125 pps polyflake	110	35%	15.60	1.18
PRODUCTION	LEAD	3,610'	Hilift + 12% gel + 3% salt + 1% D79 + 0.5% D112 + 0.2% D46	330	60%	11.00	3.91
	TAIL	3,690'	50/50 Poz/G + 10% salt + 2% gel + 0.2% D46	1030	60%	14.30	1.31

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.	
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.	

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Run Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER:

Dan Lindsey

DATE:

DRILLING SUPERINTENDANT:

Larry Strasheim

DATE:

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EL PASO PRODUCTION OIL & GAS COMPANY

Well Name: NBU 349

Api No. 43-047-34002 LEASE TYPE: STATE

Section 11 Township 10S Range 22E County UINTAH

Drilling Contractor SKI DRILLING RIG # AIR

SPUDDED:

Date 04/23/2002

Time 11:30 AM

How ROTARY

Drilling will commence

Reported by JIM MURRAY

Telephone # 1-435-828-1730

Date 04/24/2002 Signed: CHD

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR El Paso Production O&G Co.
ADDRESS P.O. Box 1148
Vernal, Utah 84078

OPERATOR ACCT. NO. N 1845

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B A	99999	2900	43-047-34002	NBU #349	SWSE	11	10S	22E	Uintah	4/23/2002	4-25-02 4/23/2002

WELL 1 COMMENTS:

MIRU Ski Air Rig
SPUD on 4/23/02 at 11:30 am

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A B	99999	13466	43-047-34523	ARCHEE #1-202	SWNE	1	9S	20E	Uintah	4/23/2002	4-25-02 4/23/2002

WELL 2 COMMENTS:

MIRU Ski Bucket Rig
SPUD on 4/23/02 at 8 am.

CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 3 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 4 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Post-It® Fax Note	7671	Date	4/24	# of pages	▶
To	JIM THOMPSON	From	Sheila Upcheggo		
Co./Dept.	DOGM	Co.	EL PASO Production		
Phone #	801) 538-5336	Phone #	435) 781-7024		
Fax #	801) 359-3940	Fax #	435) 781-7024		

Signature
Sheila Upcheggo

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APR 24 2002

DIVISION OF
OIL, GAS AND MINING

Regulatory Analyst
Title
Date 04/24/02
Phone No. (435) 781-7024

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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MIRU Ski Air Rig. Drilled 12 1/4" Surface hole to 285'. Ran 8 5/8" 24# J-55 ST&C Csg set @ 280'.
 Cmt w/142 sx Class G @15.8 ppg Yield 1.17 Water 5 gal/Sk 2% CaCl2 .25#/Sk CelloFlake.
 Cmt to Surface. Cmt to Pit. Hole Stayed Full.

SPUD well on 4/23/02 at 11:30 am.

WORT

RECEIVED

APR 26 2002

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature Sheila Upchego Title Regulatory Analyst Date 04/24/02
 (State Use Only)

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<input checked="" type="checkbox"/> Other <u>Final Drilling Summary</u>																											

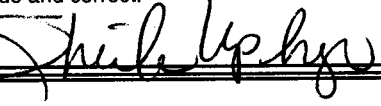
13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Finished Drlg f/280' to 6856'. Ran 4 1/2" 11.6# K-55 LTC Csg.
 Cmt w/328 sx Hi Lift + 3% Salt + 12% Gel + 1% D79 + 0.5% D112 + 0.2% D10 @11 ppg. Yld 3.91.
 Tailed w/888 sx 50/50 Poz + 10% Salt + 2% Gel + 0.2% D46 @14.6 ppg. Yld 1.31. No Cmt to Surface.
 Clean Mud Tanks.

Released Rig on 5/16/02 at 13:00 Hrs.

RECEIVED
 MAY 21 2002
 DIVISION OF
 OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature Sheila Upchego  Title Regulatory Analyst Date 05/17/02
 (State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number U-01197-A-ST
		7. Indian Allottee or Tribe Name
		8. Unit or Communitization Agreement Natural Buttes Unit
		9. Well Name and Number NBU #349
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		10. API Well Number 43-047-34002
2. Name of Operator El Paso Production Oil & Gas Company		11. Field and Pool, or Wildcat Natural Buttes
3. Address of Operator P.O. Box 1148 Vernal, Utah 84078	4. Telephone Number (435) 781-7024	
5. Location of Well Footage : 1109'FSL & 2405'FEL County : Uintah QQ, Sec, T., R., M. : SWSE Section 11-T10S-R22E State : Utah		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT
 (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
 (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Production Start-Up</u> | |

Date of Work Completion 6/11/02

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The subject well was placed on production on 6/27/02

The produced water from the subject well will be contained in a water tank and then be hauled to one of the pre-approved disposal sites: RNI in Sec. 5-T9S-R22E, NBU #159 Sec. 35-T9S-R21E, Ace Oilfield Sec.2-T6S-R20E, MC&MC Sec. 12-T6S-R19E.

Please refer to the attached Chronological Well History.

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JUL 09 2002

**DIVISION OF
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct.

Name & Signature Sheila Upchego  Title Regulatory Analyst Date 07/01/02

(State Use Only)

**EL PASO
PRODUCTION REPORT**

CHRONOLOGICAL HISTORY

NBU 349

Page 1

LOC.

NATURAL BUTTES FIELD

UINTAH COUNTY, UT

WI: 100%

PBTD: PERFS:

CSG:

SPUD DATE:

AFE DESCR., AFE: 063470

FORMATION:

DRILLING REPORT:

NBU, Uintah, UT	Rig: El Paso 2	WI: 100%	AFE: 063470	ATD: 6,800'
SD: 5/9/02	Wasatch @ 4,120'	DHC: 246 /CWC: 591	/DC: 16/CC: 168	
8 5/8" @ 280'				
5/13/02	TD: 5,630	MW: Air/Water 880'/23 hrs	Drilling to present depth.	
5/14/02	TD: 6,132	MW: Air/Water 502'/15.5 hrs	Drill to 5,934'. TFNB. Drilling to present depth.	
5/15/02	TD: 6,856	MW: 9.4	724'/21.5 hrs	Drill to TD. Displace w/ mud. LDDP.
5/16/02	TD: 6,856	MW: 8.4	Finish LDDP. RU & ran 4 1/2" production casing to 2,183' - started flowing up casing. Flowed gas & water for 6 hrs - stabbed swage & valve. Established circulation. Continued running production casing. Washing to bottom @ report time.	
5/17/02	TD: 6,856	MW: 8.4	Cemented 4 1/2" production casing. Set casing hanger. ND BOP's. NU well cap. Release rig @ 1300, 5/16/02	

AFE DESC. DRILL AND COMPLETE AFE #: 063470

WI: 100%

PBTD: 6,808' PERFS: 6,228'-6,700' CSG: 4 1/2", 11.6#

FORMATION: WASECA/MESA VERDE

6/14/02

PU TBG

RD RIG & EQUIP FROM THE NBU #367. MIRU. NDWH. NUBOP. RU TBG EQUIP. SIW. SDFD. (DAY 1)

6/17/02

MIRU. RIH W/3 7/8" MILL & 2 3/8" TBG. TAG PBTD @ 6808'. REV CIRC WELL & POOH W/TBG. TST 4 1/2" CSG TO 5000#. TST 4 1/2" X 8 5/8" ANNULUS, NO TST. SWI.

6/18/02

FRAC 5 STAGES

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**DIVISION OF
OIL, GAS AND MINING**

MIRU WL. PERF MESA VERDE 6546'-54' & 6492'-6500', 3 SPF. FL @ SURF,
ENDING PRESS: 0#. BRK DN PERFS W/3600# @ ½ BPM. PUMP 20 BBLS 2% KCL
W/1800# @ 2 ½ BPM. ISIP: 1600#, FG: .68. RDMO WL. PREP FOR FRAC. SDFD.

6/19/02

DO PLUGS, CO TO PBTD, LAND TBG, FLOW BACK

STAGE 1: BRK DN MESA VERDE PERFS 6492'-6554', 3 SPF, 48 HOLES @ 3600#
@ ½ BPM. ISIP: 1600#, FG: .68. PUMP 1817 BBLS YF115ST, 200,000# 20/40 SD.
ISIP: 2243#, FG: .77. ATP: 3810#, MTP: 4445#, ATR: 44.4 BPM, MTR: 50.5 BPM.
NPI: 643#. RIH. SET 5K CBP @ 6400'.

STAGE 2: PERF WASATCH 6340' - 46', 4 SPF, 24 HOLES. BRK DN PERFS @
2340# @ 1½ BPM. ISIP: 1213#, FG: .63. PUMP 449 BBLS YF113ST, 40,000# 20/40
SD. ISIP: 2541#, FG: .84. ATP: 2754#, MTP: 3648#, ATR: 22.9 BPM, MTR: 25.1
BPM. NPI: 1328#. RIH. SET 5K CBP @ 6175'.

STAGE 3: PERF WASATCH 6100' - 10', 3 SPF, 30 HOLES. BRK DN PERFS @
2151# @ 1.6 BPM. ISIP: 1451#, FG: .67. PUMP 614 BBLS YF113ST, 60,000# 20/40
SD. ISIP: 2898#, FG: .91. ATP: 2890#, MTP: 3575#, ATR: 23.6 BPM, MTR: 25.3
BPM. NPI: 1447#. RIH. SET 5K CBP @ 5500'.

STAGE 4: PERF WASATCH 5392' - 5400', 4 SPF, 32 HOLES. BRK DN PERFS @
1836# @ 1 1/2 BPM. ISIP: 865#, FG: .60. PUMP 437 BBLS YF113ST, 40,700# 20/40
SD. ISIP: 1598#, FG: .73. ATP: 1733#, MTP: 2788#, ATR: 20.4 BPM, MTR: 25.3 BPM.
NPI: 733#. RIH. SET 5K CBP @ 4800'.

STAGE 5: PERF WASATCH 4714' - 24', 3 SPF, 30 HOLES. BRK DN PERFS @
1309# @ 1.6 BPM. ISIP: 604#, FG: .56. PUMP 574 BBLS YF113ST, 62,280# 20/40
SD. ISIP: 1071#, FG: .66. ATP: 1275#, MTP: 1845#, ATR: 25.4 BPM, MTR: 29.3
BPM. NPI: 467#. TOTAL LOAD: 3891 BBLS. TOTAL SD: 402,980#. RIH. SET 5K
CBP @ 4520'. RDMO DOWELL AND CUTTERS. RIH
W/3 7/8" BIT, 2 3/8" POBS, SN & TBG. EOT @ 4250'. SWI. SDFD.

6/20/02

FLWG BACK LOAD

DO CBP'S @ 4520', 4800', 5500', 6175', & 6400'. CO TO PBTD @ 6808'. PU &
LAND TBG @ 6440', SN @ 6407'. FLOW BACK WELL 13 HRS ON FULL OPEN
CHK. CP: 1300# TO 1175#, FTP: AVG 317#, 55 BWPH TO 15 BWPH, GAS: 2000
MCFPD. TLTR: 4231 BBLS, TLR: 1211 BBLS, LTR: 3020 BBLS.

6/21/02

SI WO FACILITIES. TLTR: 4231 BBLS, TLR: 1211 BBLS, LLTR: 3020 BBLS.

6/24/02

SI WO FACILITIES.

6/25/02

SI WO FACILITIES.

6/26/02

SI WO FACILITIES.

6/27/02

SI WO FACILITIES.

6/28/02

ON SALES

PLACE ON SALES @ 12:15 PM 6/27/02. SPOT PROD DATA: CHK: 15/64", FTP:
1242#, CP: 1520#, 12 BWPH, 2500 MCFPD.

7/1/02

ON SALES

6/29/02: FLWD 1727 MCF, 117 BW, FTP: 1160#, CP: 1466#, 15/64" CHK, 18 HRS,
LP: 309#.

6/30/02: FLWD 3089 MCF, 117 BW, FTP: 1048#, CP: 1411#, 17/64" CHK, 24 HRS,
LP: 333#.

7/1/02: FLWD 3633 MCF, 166 BW, FTP: 826#, CP: 1342#, 21/64" CHK, 24 HRS, LP:
343#, TLTR: 4231 BBLS, TLR: 1611 BBLS, LLTR: 2620 BBLS.

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JUL 09 2002

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-01197-A-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒DRY ☐

Other _____

1b. TYPE OF COMPLETION

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
RESVR. ☐

Other _____

7. UNIT AGREEMENT NAME

Natural Buttes Unit

8. FARM OR LEASE NAME, WELL NO.

NBU

2. NAME OF OPERATOR

El Paso Production Oil & Gas Company

9. WELL NO.

349

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1148 Vernal, UT 84078 (435) 781-7023

10. FIELD AND POOL OR WILDCAT

Natural Buttes

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 11, T10S, R22E

At Surface

SWSE 1109' FSL & 2405' FEL

At top prod. Interval reported below

At total depth

14. API NO.

43-047-34002

DATE ISSUED

4/26/01

12. COUNTY

Uintah

13. STATE

UTAH

15. DATE SPUNDED
4/23/0216. DATE T.D. REACHED
5/14/0217. DATE COMPL. (Ready to prod. or Plug &
6/20/0218. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
5166.2' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6856'

MD

TVD

21. PLUG, BACK T.D., MD & TVD

T.D.

6808'

MD

TVD

22. IF MULTIPLE COMPL.,

HOW MANY

23. INTERVALS ROTARY TOOLS

DRILLED BY

-----> |X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)

Mesaverde 6492-6554 & Wasatch 4714-6346

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL-GR-CCCL-PSF/CN/LAC, DST-CN-GR

27. WAS WELL CORED YES ☐ NO ☒ (Submit analysis)DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24# J35	280	12 1/4	142 sx Class G	
4 1/2	11.6# K-35	6856	7 7/8	328 sx Hilift	
				888 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	6440	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL

SIZE

NUMBER

See Attachment

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION 6/27/02		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 7/4/02	HOURS TESTED 24	CHOKE SIZE 29/64	PROD'N. FOR TEST PERIOD →	OIL--BBL. 0	GAS--MCF. 4259	WATER--BBL. 153	GAS-OIL RATIO
FLOW. TUBING PRESS. 345#	CASING PRESSURE 1196#	CALCULATED 24-HOUR RATE →	OIL--BBL. 0	GAS--MCF. 4259	WATER--BBL. 153	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used Flor Fuel

TEST WITNESSED BY

RECEIVED

35. LIST OF ATTACHMENTS

3rd Page Attachment Items 31 & 32

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Cheryl Cameron

TITLE Operations

JUL 29 2002

DIVISION OF

DATE 7/25/2002

See Spaces for Addition Data on Reverse Side OIL, GAS AND MINING

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments. ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.			38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top Meas. Depth True Vert. Depth
Green River Wasatch Mesaverde	1135 4088 6476	4088 6476			

U-01197-A-ST

Lease Serial No.

NBU 349**SWSE SEC. 11, T10S, R22E**ITEM# 31 & 32

INTERVAL	SIZE	NUMBER
----------	------	--------

MESAVERDE

6546-54

6492-6500

3 SPF

48 HOLES

WASATCH

6340-6346

6100-6110

5392-5400

4714-4724

4 SPF

3 SPF

4 SPF

3 SPF

24 HOLES

30 HOLES

32 HOLES

30 HOLES

DEPTH INTERVAL**AMOUNT & KIND OF MATERIAL****MESAVERDE**

6546-54

6492-6500

Frac w/ 200,000# 20/40 sand

WASATCH

6340-6346

6100-6110

5392-5400

4714-4724

Frac w/ 40,000# 20/40 sand

Frac w/ 60,000# 20/40 sand

Frac, w/ 40,700# 20/40 sand

Frac w/ 62,280# 20/40 sand

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

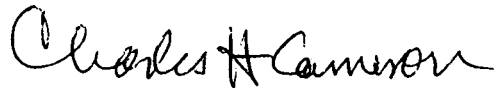
We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.

CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono





United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:

Real Estate Services

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

ACTING

Director, Office of Trust Responsibilities

Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR:
9 Greenway Plaza CITY Houston STATE TX ZIP 77064-0995 PHONE NUMBER: (832) 676-5933

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

By: 
Jon R. Nelsen, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT) David R. Dix

TITLE Agent and Attorney-in-Fact

SIGNATURE 

DATE 12/17/02

(This space for State use only)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.
Attn: Gary D. Williamson
1670 Broadway, Suite 2800
Denver, Colorado 80202

Re: Natural Buttes Unit
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File - Natural Buttes Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

Form 3160-5
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

SEE ATTACHED EXHIBIT "A"

9. API Well No.

SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY, L.P.

3a. Address

P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	SUCCESSOR OF
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletes horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed when testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF. BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

CHERYL CAMERON

Title

OPERATIONS

Date

March 4, 2003

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW ✓

3. FILE

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02****FROM: (Old Operator):**

EL PASO PRODUCTION OIL & GAS COMPANY

Address: 9 GREENWAY PLAZA

HOUSTON, TX 77064-0995

Phone: 1-(832)-676-5933

Account No. N1845

TO: (New Operator):

WESTPORT OIL & GAS COMPANY LP

Address: P O BOX 1148

VERNAL, UT 84078

Phone: 1-(435)-781-7023

Account No. N2115

CA No.

Unit:

NATURAL BUTTES

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 180	10-10S-22E	43-047-32113	2900	FEDERAL	GW	P
NBU 247	10-10S-22E	43-047-32977	2900	FEDERAL	GW	P
NBU 249	10-10S-22E	43-047-32978	2900	FEDERAL	GW	S
NBU 293	10-10S-22E	43-047-33182	2900	FEDERAL	GW	P
NBU 345	10-10S-22E	43-047-33704	2900	FEDERAL	GW	P
NBU 248	10-10S-22E	43-047-34079	2900	FEDERAL	GW	P
NBU 367	11-10S-22E	43-047-33707	2900	STATE	GW	P
NBU 347	11-10S-22E	43-047-33709	2900	STATE	GW	P
NBU 348	11-10S-22E	43-047-34001	2900	STATE	GW	P
NBU 349	11-10S-22E	43-047-34002	2900	STATE	GW	P
NBU 222	11-10S-22E	43-047-32509	2900	STATE	GW	P
NBU 272	11-10S-22E	43-047-32889	2900	STATE	GW	P
NBU 31	11-10S-22E	43-047-30307	2900	STATE	GW	P
NBU 394	11-10S-22E	43-047-34804	99999	STATE	GW	APD
NBU 153	11-10S-22E	43-047-31975	2900	FEDERAL	GW	S
NBU 31-12B	12-10S-22E	43-047-30385	2900	STATE	GW	P
NBU 24N2	12-10S-22E	43-047-30535	2900	STATE	GW	S
NBU 32-13B	13-10S-22E	43-047-30395	2900	STATE	GW	PA
NBU 38N2	13-10S-22E	43-047-30536	2900	STATE	GW	P
NBU CIGE 43-14-10-22	14-10S-22E	43-047-30491	2900	STATE	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. If **NO**, the operator was contacted contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 03/24/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/24/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The FORMER operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY, L.P.

3a. Address

P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Multiple Wells - see attached

5. Lease Serial No.

Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

891008900A

8. Well Name and No.

Multiple Wells - see attached

9. API Well No.

Multiple Wells - see attached

10. Field and Pool, or Exploratory Area

Natural Buttes Unit

11. County or Parish, State

Uintah County, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped.

The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached.

Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

J.T. Conley

Signature

COPY SENT TO OPERATOR

Date:

Initials:

Title

Operations Manager

Date

9-2-2003

SEP 10 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Accepted by the
Utah Division of
Oil, Gas and MiningFederal Approval of This
Action is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Date: 9/16/03

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Westport Oil & Gas, L.P.

Project Economics Worksheet

Instructions:

Fill in blue boxes with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name:

Condensate Shrinkage Economics

Is this job a well pull or production rig job ??? ☐ N (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
Totals	\$0	\$350	\$350

Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/860	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

Production & OPX Detail:

	Before		After		Difference
Oil Production	0.192	BOPD	0.194	BOPD	0.002
Gas Production	0	MCFPD	0	MCFPD	0
Wtr Production	0	BWPD	0	BWPD	0
Horse Power		HP		HP	0
Fuel Gas Burned		MCFPD		MCFPD	0

Project Life:

Life = 20.0 Years
(Life no longer than 20 years)

Internal Rate of Return:

After Tax IROR = #DIV/0!

AT Cum Cashflow:

Operating Cashflow = (\$2,917) (Discounted @ 10%)

Payout Calculation:

Payout = $\frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}}$ = 1

Payout occurs when total AT cashflow equals investment
See graph below, note years when cashflow reaches zero

Payout = NEVER Years or #VALUE! Days

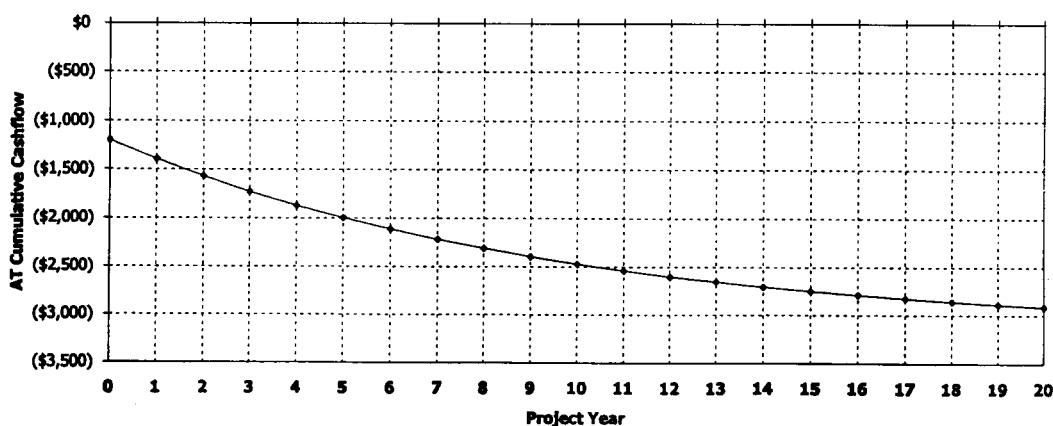
Gross Reserves:

Oil Reserves = 6 BO
Gas Reserves = 0 MCF
Gas Equity Reserves = 38 MCFE

Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.196 Bcpd if 4 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.

NBU/Ouray Field

RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
NBU 332	10-10-21 NWSW	UTU01416A	891008900A	430473364000S1
NBU 333	13-10-21 SWSW	ML23608	891008900A	430473364100S1 ✓
NBU 335	4-10-22 SENE	UTU01191	891008900A	430473372400S1
NBU 336	4-10-22 NWNE	U-01191	891008900A	430473402700S1
NBU 337	4-10-22 SENW	U-01191-A	891008900A	430473402000S1
NBU 338	5-10-22 NESE	UTU01191	891008900A	430473405800S1
NBU 339	5-10-22 NWSE	UTU01191	891008900A	430473440600S1
NBU 340	6-10-22 SWNE	UTU01195	891008900A	430473372500S1
NBU 340X	6-10-22 SWNE	UTU01195	891008900A	430473401500S1
NBU 341	6-10-22 SWNW	UTU464	891008900A	430473372600S1
NBU 342	7-10-22 NWSE	UTU468	891008900A	430473372700S1
NBU 343	8-10-22 NWNE	UTU01196C	891008900A	430473371900S1
NBU 344	8-10-22 SWNE	UTU01196C	891008900A	430473402100S1
NBU 345	10-10-22 SWNE	UTU02587	891008900A	430473370400S1 ✓
NBU 345-4E	4-10-21 SWSW	UTU01393B	891008900A	430473470000S1 ✓
NBU 347	11-10-22 NWSW	UTU01197A	891008900A	430473370900S1 ✓
NBU 348	11-10-22 SWSW	UTU01197A-ST	891008900A	430473400100S1
NBU 349	11-10-22 SWSE	UTU01197A-ST	891008900A	430473400200S1 ✓
NBU 350	14-10-22 NWNE	UTU01197A	891008900A	430473364200S1 ✓
NBU 351	30-10-22 SESE	UTU0132568A	891008900A	430473366800S1
NBU 352	9-9-21 SWNW	UTU0149767	891008900A	430473392200S1
NBU 353	27-9-21 SENW	U01194A	891008900A	430473320500S1 ✓
NBU 354	31-9-22 NENW	UTU464	891008900A	430473323100S1
NBU 356	30-9-22 NENW	U463	891008900A	430473323200S1
NBU 357	15-10-21 SWSW	UTU01791A	891008900A	430473372800S1
NBU 358	16-10-21 SESW	ML10755	891008900A	430473370800S1
NBU 359	29-10-21 NWNE	ML21330	891008900A	430473370600S1
NBU 360	29-10-22 SESW	UTU0145824	891008900A	430473377300S1
NBU 361	32-10-22 NWNW	ML22798	891008900A	430473370500S1 ✓
NBU 362	28-9-21 SESW	UTU0576	891008900A	430473377400S1
NBU 363	28-9-21 SESE	UTU0576	891008900A	430473377500S1
NBU 364	29-9-21 SESE	UTU0581	891008900A	430473377600S1
NBU 365	3-10-21 SESE	UTU0149078	891008900A	430473377700S1
NBU 366	10-10-21 NWNW	UTU0149079	891008900A	430473372900S1
NBU 367	11-10-22 NESW	UTU01197A-ST	891008900A	430473370700S1 ✓
NBU 370	17-9-21 NWSW	UTU0575	891008900A	430473467200S1 ✓
NBU 371	8-9-21 SWSE	UTU0575B	891008900A	430473467300S1 ✓
NBU 375	12-9-21 SWNE	UTU0141317	891008900A	430473444000S1 ✓
NBU 376	12-9-21 NENE	UTU0141317	891008900A	430473444100S1 ✓
NBU 377	31-9-21 NENW	UTU0582	891008900A	430473436300S1
NBU 378	31-9-21 NWNE	UTU0582	891008900A	430473436400S1
NBU 381	23-10-22 SESW	UTU01198B	891008900A	430473423400S1
NBU 382	22-10-22 SENW	U-01198-B	891008900A	430473423500S1
NBU 383	21-10-22 SESW	U-489	891008900A	430473423600S1
NBU 384	30-10-22 SENW	UTU0132568A	891008900A	430473423700S1 ✓
NBU 385	18-10-22 SENW	ML22973	891008900A	430473422800S1
NBU 386	17-10-22 NESE	UTU470	891008900A	430473423800S1
NBU 387	23-10-21 SWSE	U-02277-A	891008900A	430473423900S1
NBU 388	22-10-21 SENW	U-02278-A	891008900A	430473424000S1
NBU 389	28-10-21 NENE	ML21329	891008900A	430473422900S1
NBU 390	30-10-21 SESE	ML22793	891008900A	430473423000S1
NBU 391	17-9-21 NWNW	UTU0575	891008900A	430473487400S1
NBU 393	22-9-20 SWNW	U0577B	891008900A	430473486400S1
NBU 394	11-10-22 SWSE	UTU01197A-ST	891008900A	430473480400S1 ✓
NBU 395	27-9-21 SWSW	UTU01194A-ST	891008900A	430473437400S1 ✓
NBU 396	33-9-21 NENW	UTU0576	891008900A	430473448000S1 ✓
NBU 397	26-10-20 NESW	UTU4476	891008900A	430473436500S1
NBU 398	18-10-21 NENW	UTU02270A	891008900A	430473436600S1
NBU 399	14-10-21 NWNW	UTU465	891008900A	430473440900S1
NBU 400	16-10-21 NENW	ML10755	891008900A	430473479400S1
NBU 401	23-10-21 NENE	UTU02278A	891008900A	430473480100S1
NBU 404	32-9-22 SWSE	ML22649	891008900A	430473437500S1 ✓
NBU 405	27-9-21 NENE	UTU01194A-ST	891008900A	430473440700S1 ✓
NBU 407	32-10-22 NENW	ML22798	891008900A	430473431800S1 ✓
NBU 408	31-10-22 NENE	UTU0143551	891008900A	430473459000S1 ✓
NBU 409	32-9-21 NWSW	ML48758	891008900A	430473442100S1 ✓
NBU 410	32-9-21 SWSW	ML48758	891008900A	430473487200S1 ✓
NBU 411	32-9-21 SESE	ML48758	891008900A	430473442200S1 ✓
NBU 412	32-10-22 SENW	ML22798	891008900A	430473431900S1 ✓
NBU 413	32-10-22 SWNW	ML22798	891008900A	430473432000S1 ✓
NBU 414	31-10-22 SENE	UTU0143551	891008900A	430473438700S1
NBU 414-20E	20-9-21 NWNE	U0143551/U0575	891008900A	430473477900S1
NBU 415-20E	20-9-21 SWNE	UTU0575	891008900A	430473448900S1 ✓
NBU 416	36-9-20 SESE	ML48757	891008900A	430473442300S1 ✓
NBU 418	12-9-21 NWNW	UTU0141317	891008900A	430473477700S1

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number U-01197-A-ST
		7. Indian Allottee or Tribe Name
		8. Unit or Communitization Agreement NATURAL BUTTES UNIT
		9. Well Name and Number NBU 349
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		10. API Well Number 43-047-34002
2. Name of Operator WESTPORT OIL & GAS COMPANY, L.P.		11. Field and Pool, or Wildcat NATURAL BUTTES
3. Address of Operator P.O. BOX 1148, VERNAL, UTAH 84078	4. Telephone Number (435)781-7060	
5. Location of Well Footage : 1109' FSL 2405' FEL County : UINTAH QQ, Sec, T., R., M : SWSE SEC 11-T10S-R22E State : UTAH		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

<p align="center">NOTICE OF INTENT (Submit in Duplicate)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<p align="center">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input checked="" type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Date of Work Completion <u>10/15/03</u></p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input checked="" type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
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<input type="checkbox"/> Other _____																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PUMP 4 DRUMS OF 15% HCL ACID DOWN TBG W/ 10 BBLS OF 2% KCL WATER

RECEIVED

OCT 28 2003

DIV OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature DEBRA DOMENICI *Debra Domenici* Title SR ADMIN ASSIST Date 10/22/03

(State Use Only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/6/2006

FROM: (Old Operator):

N2115-Westport Oil & Gas Co., LP
 1368 South 1200 East
 Vernal, UT 84078

Phone: 1-(435) 781-7024

TO: (New Operator):

N2995-Kerr-McGee Oil & Gas Onshore, LP
 1368 South 1200 East
 Vernal, UT 84078

Phone: 1-(435) 781-7024

CA No.

Unit:

NATURAL BUTTES UNIT

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
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OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on: _____
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.

KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203
BIA BOND = RLB0005237

APPROVED 5/16/06

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RANDY BAYNE

Title

DRILLING MANAGER

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
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	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006

DIV OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Title

ENGINEERING SPECIALIST

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Brad Laney

Title

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
U-01197-A-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 349

9. API NUMBER:
4304734002

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
KERR McGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:
1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 781-7024

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1109'FSL, 2405'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 11 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: MAINTENANCE
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

08/10/06 MIRU, 100# ON CSG, 300# ON TBG, TST WL FOR H2S, BLEED OFF PRESS, PMP 30 BBL'S 2% KCL, WTR, DWN TBG, PMP 3 BBL'S ACID AND CEM, FLUSH W/30 BBL'S ND, WH NU, 5000# BOP'S EQUIP. POOH W/TBG, TALLY. LOTS OF SCALE ON OUT SIDE OF TBG, ACID CLEANED UP THE INSIDE OF THE TBG, PU, 3 7/8" MILL W/ R - NIPPEL AND P, O, B, S. RIH TO 4500' USED 80 BBL'S 2% KCL WTR, FOR DAY. 80 BBL'S TOTAL. 08/11/06 WORKING IN HOT COND. 500# ON CSG, 0# ON TBG, BLEED OFF PRESS. FINISH RIH W/ TBG, TAG @ 4713' RU FOAMING UNIT USED NO 2% KCL WTR, 80 BBL'S TOTAL. 8/14/06 POWER SWIVEL, 500# ON CSG, 0# ON TBG. BLEED DWN, PRESS CHANGE OUT DRILLING HEAD, ESTABLISH CIRC W/ FOAMING UNIT. START C/O @ 4713', C/O TO 4972' (HARD DRILLING). FELL FREE, RIH TO 5584'. STOP AND CIRC HOLE CLEAN. RIH, TAG @ 6107' CIRC, WELL CLEAN. POOH ABOVE PERF'S @ 4700' 5:00 PM, S, W, I S, D, F, N. USED 220 BBL'S FOR THE DAY. 300 BBL TOTAL. 08/15/06 PROG: 7:00 AM TAIL GATE, FOAMING UNIT. 550# ON CSG, 0# ON TBG. BLEED DWN PRESS. RIH TAG @ 6107'. RU DRILLING EQUIP. ESTABLISH CIRC W/ FOAMING UNIT. C/O TO 6149', FELL FREE. RIH TAG @ 6372'. C/O TO 6438', FELL FREE. RIH TAG @ 6529', C/O TO 6645'. CIRC HOLE CLEAN (CLEANED OUT 126' OF SAND ON BTM). PUMP 20 BBL'S TOP KILL. LD 15 JT'S, LAND TBG @ 6237'. ND 5000# BOP'S AND EQUIP. DROP BALL. NU WELL HEAD PUMP 20 BBL'S PUMP OFF BIT @ 1100#. PU SWAB, RIH W/ 1.995" BROACH TO 6200'. POOH W/ BROACH. PUMP 1 BBL 32% ACID W/ CHEM TO PICKLE TBG. FLUSH W/ 24 BBL'S 2% KCL WTR. 4:00 PM SWI, SDFN DUE TO HIGH WINDS. USED 200 BBL'S 2% FOR THE DAY, 500 TOTAL, RECOVERED 230 BBL'S, LEFT TO RECOVER 270 BBL'S.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 8/25/2006

(This space for State use only)

RECEIVED

AUG 31 2006

DIV OF OIL GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 349
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1109 FSL 2405 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 11 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047340020000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/7/2010	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THIS WELL RETURNED TO PRODUCTION ON 7/7/2010.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 20, 2010		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/12/2010	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 349
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1109 FSL 2405 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 11 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047340020000
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/9/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON 08/09/2011.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/12/2011	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

February 10, 2015

CERTIFIED MAIL NO. 7011 2970 0001 8828 0965

Mr. Andy Lytle
Kerr-McGee Oil and Gas Onshore
1099 18TH Street
Denver, CO 80202

43 047 3A00Z
NBU 349
11 10S 22E

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Lytle:

As of January 2015, Kerr-McGee Oil and Gas Onshore has two (2) State Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.



Page 2
Kerr-McGee Oil and Gas Onshore
February 10, 2015

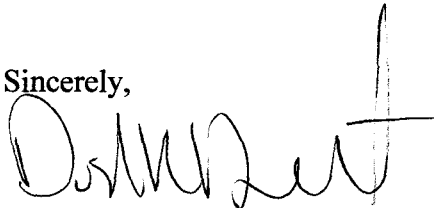
Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

All Submittals should be sent via ePermit

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/JP/js

cc: Compliance File
Well File
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive
1	CIGE 18	43-047-30471	ML-22652	1 year 5 months
2	NBU 349	43-047-34002	U-01197-A-ST	1 year 6 months

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 349
PHONE NUMBER: 720 929-6111		9. API NUMBER: 43047340020000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1109 FSL 2405 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 11 Township: 10.0S Range: 22.0E Meridian: S		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/16/2015	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input checked="" type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> APD EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	
<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	
<input type="checkbox"/> OTHER: 	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

In reference to UDOGM letter dated 02/10/2015 for Extended Shut-In and Temporary Abandoned Wells in Non-Compliance we are requesting to plug and abandon the NBU 349. See attached procedures.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: April 15, 2015

By: 

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 3/4/2015	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047340020000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Move Plug #2: Plug should be moved uphole $\pm 300'$ and shall be balanced from $\pm 4088'$ to $3680'$. This will isolate the Base of Moderately Saline Groundwater and the Wasatch Formation.**
- 3. Note Plug #4: If circulation down the $4 \frac{1}{2}"$ casing back up the $4 \frac{1}{2}" \times 9 \frac{5}{8}"$ annulus is established. If injection into the perms cannot be established a $200'$ plug (± 16 sx) shall be balanced from $\pm 1950'$ to $1750'$. If injection is established: RIH with CICR and set @ $1841'$ ($50'$ above perms). . M&P 233 sx cement minimum, sting into CICR pump 212 sx, sting out and dump 11 sx on top of CICR.**
- 4. Amend Plug #6: If squeeze @ $1891'$ is not successful: Perf @ $\pm 1190'$, establish circulation down the $4 \frac{1}{2}"$ casing back up the $4 \frac{1}{2}" \times 9 \frac{5}{8}"$ annulus. If injection into the perms cannot be established a $200'$ plug (± 16 sx) shall be balanced from $\pm 1200'$ to $1000'$. If injection is established: RIH with CICR and set @ $1140'$ ($50'$ above perms). . M&P 71 sx cement, sting into CICR pump 60 sx, sting out and dump 11 sx on top of CICR. This will isolate the top of the Parachute Creek Member as required by Cause 190-5(B).**
- 5. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 6. All annuli shall be cemented from a minimum depth of $100'$ to the surface.**
- 7. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 8. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 9. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 10. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

4/14/2015

Wellbore Diagram

r263

API Well No: 43-047-34002-00-00

Permit No:

Well Name/No: NBU 349

Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Location: Sec: 11 T: 10S R: 22E Spot: SWSE

Coordinates: X: 636092 Y: 4424452

Field Name: NATURAL BUTTES

County Name: UINTAH

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (cf/cf)
HOL1	280	12.25			
SURF	280	8.625	24	280	
HOL2	6856	7.875			
PROD	6856	4.5	11.6	6856	11.459
TI	6440	2.375			

Cement from 280 ft. to surface
Surface: 8.625 in. @ 280 ft.

Hole: 12.25 in. @ 280 ft.

Plug #7

$$\frac{280}{(1.15)}(4.046) = 605K$$

$$\frac{280}{(1.15)}(11.459) = 225K$$

825K

$$7\frac{7}{8} \times 4\frac{1}{2} \text{ (108)}$$

$$8\frac{5}{8} \times 4\frac{1}{2}$$

3.347

4.046

Plug #6
if no inj. @ 1891' perfect ± 1190'
Circ @ 1150' - pump 60 sk below, 11 sk on top
w/ successful sqz @ 1891' → 165 sk = 210'

Plug #5

$$165 sk = 210'$$

Plug #4

$$\text{if inj. circ @ 1841' below 50' / (1.15)(11.459) = 45K}$$

$$\text{OUT } 800 / (1.15)(3347) = 2085K$$

$$\text{Above } 150' / (1.15)(11.459) = 115K$$

Plug #3

$$(165K)(1.15)(11.459) = 210'$$

TOC @ 2473' ✓ OK

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	6856	2420	OP LT	328
PROD	6856	2420	PC	888
SURF	280	0	G	142

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
4714	6346			
6492	6554			

* Plug #2

$$\text{move up hole } \pm 300' \rightarrow (4088' \text{ to } 3688')$$

$$(315K)(1.15)(11.459) = 408'$$

TOC @ 3680' ✓ OK

Plug #1

$$(85K)(1.15)(11.459) = 108'$$

TOC @ 4570' ✓ OK

Formation Information

Formation	Depth
UNTA	0
GRRV	1135
MHGBN	1791
PARCK	2583
BMSW	3500
WSTC	4088
MVRD	6476

Cement from 6856 ft. to 2420 ft.

Tubing: 2.375 in. @ 6440 ft.

Production: 4.5 in. @ 6856 ft.

Hole: 7.875 in. @ 6856 ft.

TD: 6856 TVD: PBTD: 6808

NBU 349
1109' FSL & 2405' FEL
SWSE - Sec. 11 – T10S - R22E
Uintah County, UT

KBE:	5181'	API NUMBER:	43-047-34002
GLE:	5166'	LEASE NUMBER:	U-01197-A-ST
TD:	6856'	WI:	100.000000%
PBTD:	6808'FC	NRI:	81.491950%

CASING:

12.25" hole
 8.625" 24# J-55 ST&C @ 280'
 Cemented with 142 sxs Class G with 2% CaCl₂, .25#/sx CelloFlake (15.8 ppg/1.17 yield). Circulated to surface. Cement to pit and hole stayed full. TOC @ surface by circulation.

7.875" hole
 4.5" 11.6# K-55 LT&C @ 6856' with 328 sxs HI Lift @ lead (11 ppg/3.91 yield) and 888 sxs 50-50 Pozmix tail (14.6 ppg/1.31 yield). No cement to surface. Ran a CBL 5/20/2002 which showed TOC @ ±2420'.

TUBING:

2.375" 4.7# J-55 tubing @ 6237'.

Tubular/Borehole	Drift inches	Collapse Psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# K-55 csg	3.875	4960	5350	0.6528	0.0872	0.01554
Annular Capacities						
2.375" tbg. X 4.5" 11.6# csg.				0.4227	0.0565	0.0101
4.5" csg. X 8.625" 24# csg.				1.8487	0.2471	0.0440
4.5" csg. X 7.875" hole				1.7052	0.2276	0.0406
8.625" csg. X 12.25" hole				3.0874	0.4127	0.0735

PERFORATION DETAIL:

Formation	Date	Top	Bottom	SPF	STATUS
Wasatch	6/18/2002	4714	4724	3	Open
Wasatch	6/18/2002	5392	5400	4	Open
Wasatch	6/18/2002	6100	6110	3	Open
Wasatch	6/18/2002	6340	6346	4	Open
Mesaverde	6/18/2002	6492	6500	3	Open
Mesaverde	6/18/2002	6546	6554	3	Open

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	965'
Bird's Nest	1299'
Mahogany	1791'
Base of Parachute	2583'
Wasatch	4085'
Mesaverde	6334'

Tech. Pub. #92 Base of USDW's**USDW Elevation ~900' MSL****USDW Depth ~4281' KBE**

WELL HISTORY

Completion – June 2002

- Frac'd Wasatch and MV in 5 stages (4714'-6554'). C/O to 6808. PU 2.375" tubing and land at 6440'.

Workover – August 2006

- Cleaned out to 6645'
- Landed tubing at 6237'. RTP.

Gyro – April 2008

- Run a Gyro to 6180'

PLUG & ABANDONMENT PROCEDURE

GENERAL

- H₂S MAY BE PRESENT. CHECK FOR H₂S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCID. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY APPROPRIATE AGENCY 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: Approx. **185 sx** Class "G" cement **plus** volume for cement squeeze needed for procedure.

Note: A gyro survey was run on this well to 6180' on 4/16/2009.

Note: There is 2 3/8" J-55 tubing in the well to 6237'.

NO GYRO IS NEEDED.

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. POOH W/ TBG.
3. **PLUG #1, ISOLATE PERFORATIONS (4714'-6554') & TOP OF MESAVERDE (6334'):** TIH AND SET A CIBP @ 4675'. SET CIBP & PUH 10'. CIRCULATE ENTIRE HOLE W/ TREATED FRESH WATER. PRESSURE TEST CASING. SET A ±105' CEMENT BALANCED PLUG (**8 SXS, 9.2 CUFT, 1.6 BBLs**) ON TOP OF CIBP. **TOC @ ±4570'.**
4. **PLUG #2, PROTECT WASATCH TOP (4085') & USDW (4281'):** TOOH TO 4381'. SET A CEMENT BALANCED PLUG FROM **4381' - 3974'** (407' COVERAGE) WITH (**31 SXS, 35.5 CUFT / 6.3 BBL**).
5. **PLUG #3, PROTECT BASE OF PARACHUTE (~2583'):** PUH TO ~2683. SET A CEMENT BALANCED PLUG FROM **2683' - 2473'** (210' COVERAGE) WITH (**16 SXS, 18.3 CUFT / 3.3 BBL**).
6. **CBL SHOWED TOC 2420' ON BACKSIDE OF 4 ½".** PUH TO ±1891 AND PERFORATE 4 ½" CASING AND TRY TO ESTABLISH CIRCULATION. IF YOU CAN PUMP INTO PERS, RIH IN HOLE WITH A CIBP AND PUMP A CEMENT SQUEEZE TO GET CEMENT ON BACKSIDE OF 4 ½". RUN A CBL IF NEEDED TO VERIFY TOC.
7. **PLUG #4, PROTECT MAHOGANY (~1791'):** SET A CEMENT BALANCED PLUG FROM **1891' - 1681'** (210' COVERAGE) WITH (**16 SXS, 18.3 CUFT / 3.3 BBL**).
8. **PLUG #5, PROTECT TOP OF BIRD'S NEST (~1299'):** PUH TO 1400'. SET A CEMENT BALANCED PLUG FROM **1400' - 1190'** (210' COVERAGE) WITH (**16 SXS, 18.3 CUFT / 3.3 BBL**).
9. **PLUG #6 TOP OF GREEN RIVER (965'):** PUH TO 1065'. SET A CEMENT BALANCED PLUG FROM **1065' - 855'** (210' COVERAGE) WITH (**16 SXS, 18.3 CUFT / 3.3 BBL**).
10. **PLUG #7, FILL SURFACE HOLE & ANNULUS:** POOH. PERF CASING @ 280' AND PUMP **82 SXS / 94 CUFT / 16.7 BBL / OR SUFFICIENT VOLUME TO FILL 4 ½" CASING AND 4.5" X 8.625" ANNULUS F/ 280' TO SURFACE.**
11. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.

12. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

RBM 3/3/2015

Sundry Number: 61310 API Well Number: 43047340020000

RECEIVED: Mar. 04, 2015

Sundry Number: 61310 API Well Number: 43047340020000

RECEIVED: Mar. 04, 2015

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 349
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1109 FSL 2405 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 11 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047340020000
PHONE NUMBER: 720 929-6100		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/4/2015	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
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<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>In reference to the UDOGM letter dated 2/10/2015 for Extended Shut-In and Temporarily Abandoned Well Requirements, the NBU 349 has been plugged and abandoned. Please see the attached operations summary for details.</p> </div> <div style="width: 35%; text-align: right;"> <p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 12, 2015</p> </div> </div>		
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 5/8/2015	

US ROCKIES REGION
Operation Summary Report

Well: NBU 349					Spud date:				
Project: UTAH-UINTAH				Site: NBU 349				Rig name no.: GWS 1/1	
Event: ABANDONMENT				Start date: 4/27/2015				End date: 5/5/2015	
Active datum: RKB @5,180.99usft (above Mean Sea Level)				UWI: NBU 349					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation	
4/28/2015	12:00 - 17:00	5.00	ABANDP	30	A	P		ROAD TO LOC, MIRU	
	7:00 - 12:00	5.00	ABANDP	35		P		Traveled to location, rigged up, RIH w/JDC latched plunger at 6274' POOH, RIH w/JDC to 6275' latched spring, hit jars for an hour @ 1300 PSI until spring broke free, POOH. Well has a lot of waxy trash around SN. Set plunger and spring off to side of wellhead, rigged down, traveled to next location.	
4/29/2015	7:00 - 7:30	0.50	ABANDP	48		P		WELL CONTROL	
	7:30 - 9:00	1.50	ABANDP	47	A	P		900# CSG-TBG, BLOW DWN WELL, KILL WELL, 15 BBLS TBG, 25 BBLS CSG, NDWH, NU BOP'S, TEST BOP'S, UNLAND TBG	
	9:00 - 11:30	2.50	ABANDP	45	A	P		RU PRS SCAN TBG OOH,203 JTS, 8 RED, 195 Y-B, RD PRS	
	11:30 - 13:00	1.50	ABANDP	34	I	P		RU CUTTERS, TIH 4680' GAUGE RING, PU CIBP, TIH TO 4670' SET PLUG.	
	13:00 - 15:00	2.00	ABANDP	52	F	P		TIH TBG TAG CIBP, PU 10', BREAK CIRC, CIRC HOLE CLEAN, TEST CSG TO 500# 10 MIN, SWIFN	
4/30/2015	7:00 - 7:30	0.50	ABANDP	48		P		CEMENT PLUGS	
	7:30 - 11:00	3.50	ABANDP	51	D	P		RU PRO PETRO, TEST CSG 500# 10 MIN, TEST GOOD, ALL CEMENT USED IN WELL, CLASS G, YIELD 1.145, DENISTY 15.8#, 4.9 GW/SX. PUMP 3 CEMENT PLUGS, POOH STD BACK TBG	
	11:00 - 14:00	3.00	ABANDP	51	D	P		RU CUTTERS, PU SQUEEZE GUN, TIH TO 1841' PERF, POOH, CK INJECTION RATE.3 1/2 BBLS AT 120#,TIH SET CIRC, SET 212 SX BELOW CIRC, COMBINED 3 PLUGS ABOVE, 75 SX FROM 1841' TO 850', 991' PLUG	
	14:00 - 16:00	2.00	ABANDP	51	D	P		PERF 280'PUMP INTO CSG, AIR ON RTN SURFACE BUT NO WTR RTN, 160 BBLS.SWIFN	
5/1/2015	7:00 - 7:30	0.50	ABANDP	48		P		CEMENTING	
	7:30 - 17:00	9.50	ABANDP	51	D	P		RU PRO PETRO, PUMP 30 BBLS CEMENT MIXED WITH CACL, LCM, DWN 4 1/2" CSG UP 9 5/8" SURFACE CSG, NO RTNS, LEAVE SET 1 HR, PUMP 20 BBLS CEMENT MIXED WITH LCM, CACL,, NO RTN, LEAVE SET 1 1/2 HR.PUMP FRESH WTR TO TRY TO GET CIRC,90 BBLS, NO CIRC, JUST BLOWING AIR, PUMP 30 BBLS 16.4# CEMENT WITH LCM, CACL, LEAVE SET 2 1/2 HRS.PUMP 30 BBLS HEAVY CEMENT WITH LCM & CACL. SET FOR 1 1/2 HR PUMP 30 BBLS HEAVY CEMENT WITH LCM & CACL, BROUGHT CEMENT TO SURFACE, DIG OUT WH 6' DWN CUT OFF WH, TOP OFF CSG, PUMP 20 BBLS, STILL DROPPING, LEAVE OVER WE, TOP OFF MONDAY.	
								N 39.9593 W 109.40596 ELEV 5166'	
								GYRO RAN 4/16/09	
5/4/2015	7:00 - 9:00	2.00	ABANDP	51	D	P		RU PRO PETRO , MIX AND PUMP 5 BBLS CENT DWN CSG, TOPPED OFF, CAPED WELL, BACK FILL	



March 4, 2015

State of Utah
Division of Oil, Gas and Mining
1594 West North Temple
Ste. 1210
Salt Lake City, UT 84116

43 047 34002
NBU 349
11 10S 22E

RECEIVED
MAR 09 2015
DIV. OF OIL, GAS & MINING

ATTENTION: Dustin Doucet

RE: Extended Shut-in and Temporarily Abandoned Well Requirements for Fee or State Leases- UDOGM letter dated February 10, 2015

Dear Mr. Doucet,

We are in receipt of your letter dated February 10, 2015 regarding the two State Lease wells that are in non-compliance with R649-3-36-1. The two State Lease wells were identified in the letter as the Cige 18 and the NBU 349. Sundry notices were filed on March 4, 2015 requesting UDOGM's approval to plug and abandon both wells. Kerr-McGee intends to plug both wells upon sundry approvals.

Should you have any additional questions or concerns, please don't hesitate to contact me direct at (720) 929-6100 or via email at andy.lytle@anadarko.com.

Sincerely,

A handwritten signature in black ink, appearing to be "A. Lytle".

Andy Lytle
Regulatory Supervisor-Utah